Department of Defense

Integrated Data Dictionary

8 December 2011

Version 5.0

Revision History

Version	Date	Document Status	Comments
1.0	31 October 2007	Initial Draft	
2.0	30 September 2008	Draft for COI	
2.1	21 November 2008	Draft for DoD EBTS V2.0 Draft 1.0	Support DoD EBTS V2.0 Draft 1.0 3 October 2008. Note: Government decision to change the name of the document to Integrated Data Dictionary (IDD).
2.2	19 December 2008	Draft for DoD EBTS V2.0	Support DoD EBTS V2.0 December 19, 2008. Incorporated resolution on feedback from the NGIC Nov 13-14 Review. Incorporated resolution on feedback from the Consolidated BSWG Disposition of Comments Matrix_DoD EBTS V2.0_v01 that pertains to IDD.
2.2.1	1 April 2009	Revision to support the final EBTS V2.0	Support final DoD EBTS V2.0 published on March 27, 2009. Incorporated change request #BDT0000-1IBDD for minor enhancements and #BDT0000-2IBDD for defects.
3.0	1 October 2009	Full Release	Support DoD EBTS V2.0 and emerging data elements. Incorporated change request #BDT00003-IBDD.
4.0	10 May 2010	Full Release	Support DoD EBTS V2.0 and emerging data elements. Support the As-Is DoD EBTS V1.2 and provide transition path (on a data element/data concept perspective) to DoD EBTS 2.0.
5.0	16 November 2011	Full Release	Support DoD EBTS V3.0, Baseline Application Profile V1.0, and Base Access capability. Align with on FBI EBTS V9.3 and ANSI/NIST ITL 1-2011.

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1 Overview

The DoD *Integrated Data Dictionary (IDD)* product is one of the Biometrics Published Data Products. It is the authoritative source for DoD biometrics data elements. As part of BIMA's mission to lead activities to program, integrate and synchronize biometric technologies, it requires the definition and promotion of transmission data standards for use by the DoD Biometrics Community.

The IDD helps to accomplish BIMA's mission by:
1. Identifying the high-value data exchanged across DoD biometric systems (both current and future),
2. Establishing authoritative definitions for those data, and
3. Documenting standards for them (for example, field size, character type and valid values).

The *Integrated Data Dictionary* defines the data standards that are to be used when data are <u>exchanged</u> among DoD Biometric Systems.

2 Intended Audience

The intended audience for the *Integrated Data Dictionary* is a wide one spanning representatives from the DoD Biometrics Community with a need to understand detailed data and their characteristics. This includes but is not limited to those responsible for biometric system design and development.
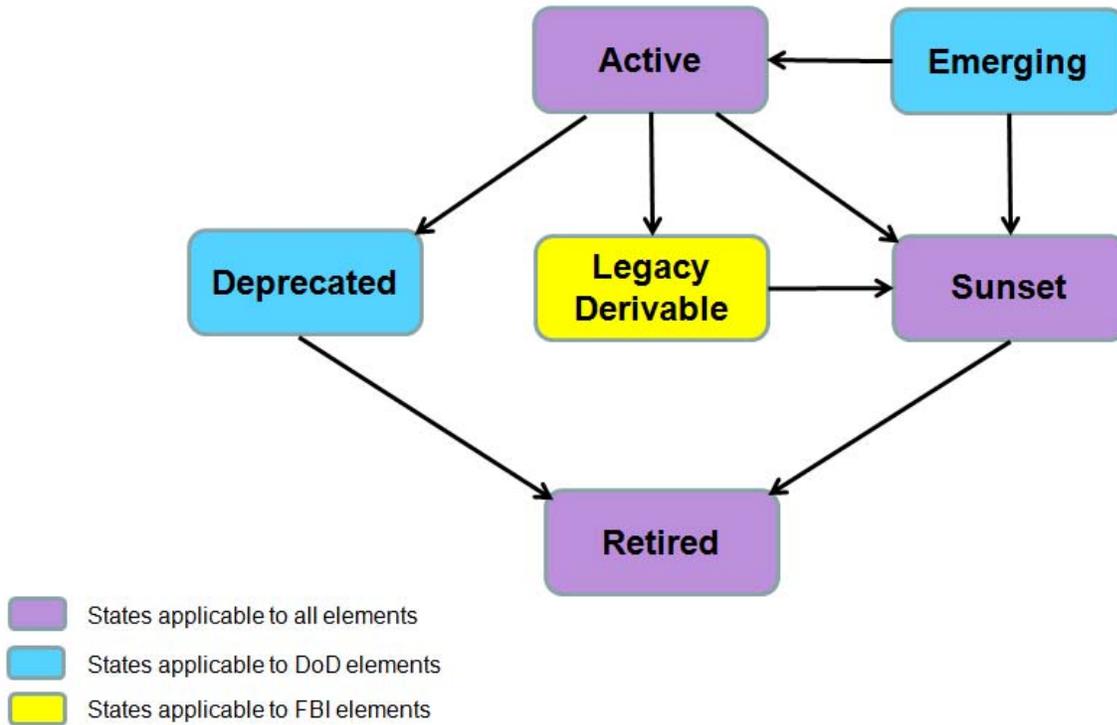
3 IDD Organization and Structure

Dictionary Element States. As standards and usages evolve over time, the IDD must reflect the transition and retirement of dictionary elements. The IDD does this by tracking the lifecycle of the dictionary elements through the following dictionary element states:
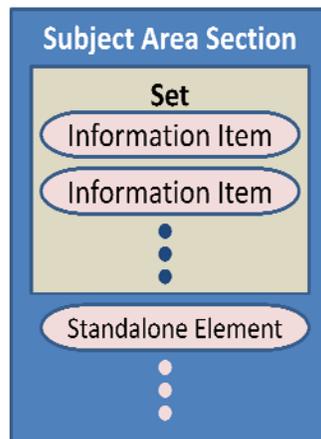
Table 1. IDD Dictionary Element Status

State	Description
Active	Currently viable and fully usable dictionary element.
Deprecated	Element is still usable in current implementations, but it should not be used going forward. It will gradually be phased out with a new element(s) that incorporates the functionality of the deprecated element. The IDD will clearly mark if an element is deprecated. The IDD will also provide the superseding element(s) and any qualifying condition. This helps identify the transition path from As-Is to To-Be.
Sunset	Used for alerting the user community that an element may be retired in the future. IDD will provide indicator to clearly mark if an element is in the sunset state and the reason why. Note, only FBI can sunset an FBI element.
Retired	Used to alert the user community that the retired element shall not be used for current and future applications. The IDD will clearly mark if an element is retired. Deprecated/Sunset element(s) will be retired if they have never been implemented or if the particular version of the DoD EBTS they were last found active in is no longer being used. (For example, when DoD EBTS 1.2 is no longer being used, then 2.333 Nationality will be retired. Another example, since 2.353 Subsequent Notification was never implemented, this field will be retired in the next version of the IDD.)
Legacy Derivable	Pertains to FBI elements only. The element should only be used when exchanging directly with FBI. It can be derived from DoD element(s). The IDD clearly marks if an FBI element is derivable. The IDD will also provide the DoD elements and any qualifying condition(s) from which this element can be derived.
Emerging	A DoD Type-2 element that can be considered for future capability. It has not yet been approved by BSWG for use and can be subject to change.

The diagram below illustrates how an IDD data element can transition from one state to another. For example, an active FBI data element in the IDD can become "Legacy Derivable" when it does not satisfy DoD's operational need. Another example is that a DoD "Emerging" element might become active after approval from the BSWG. Note, within a single release of the IDD, an element cannot transition more than one state. For example, an element cannot go from Active to Retired within a single release.

Figure 1. IDD Data Element State Transition Paths

IDD Structure. All the IDD elements are categorized into Subject Area sections. Within each section, the IDD contains three types of data constructs: sets, information items, and standalone elements as shown in the figure below:

Figure 2: IDD Data Constructs

A set is natural grouping of two or more elementary information items that are usually treated as a single unit of information, such as "Domain Name" which consists of "Domain Implementation" and "Domain Implementation Version" information items.

A standalone element is a data element that is usually treated as singular element. Neither an information item of a set nor a standalone element can be further decomposed. Because of this both are considered "data elements" within the IDD

IDD Subject Areas. The IDD is divided into sections based on subject area in order to provide the context in which the data elements are used. The IDD contains data elements categorized within subject areas that are listed in the table below.

Table 2. IDD Subject Areas

Subject Area	Description
Type-1 Transaction Information Record	Contains useful/required information items regarding the use or purpose of the transaction
Type-2 User-Defined Descriptive Text Record	Contains contextual/situational/processing information (i.e. identification, biographic, and descriptive, information) regarding the subject, the encounter, response, sample and the transaction itself.
Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)	The use of this logical record for the binary Fingerprint image has been deprecated by Type-14 Variable-Resolution Fingerprint Image Record.
Type-7 Latent Image – Binary Latent Image (Deprecated)	The use of this logical record for the binary Latent Fingerprint image has been deprecated by Type-13 Variable-Resolution Latent Image Record.
Type-9 Minutiae Data Record (Common)	Includes fields 9.001 – 9.004. These common data elements shall be included for any minutiae features within a Type-9 record. Also includes fields 9.901-9.904 for the universal latent workstation annotations and workstation identifiers.
Type-9 Minutiae Data Record (Standard Features – Legacy)	Includes fields 9.005 through 9.012. These fields are marked as legacy in ANSI/NIST ITL 1-2011.
Type-9 Minutiae Data Record (IAFIS Features)	Includes fields 9.013 – 9.030. Used for exchanging geometric and topological minutiae templates and information encoded from a finger or palm based on the FBI IAFIS standard
Type-9 Minutiae Data Record (INCITS M1-378 Features)	Includes fields 9.126 – 9.150. Used for exchanging geometric and topological minutiae templates and information encoded from a finger or palm based on the ANSI/INCITS standard
Type-10 Facial, Other Body Part and SMT Image Record	Used for exchanging facial, other body parts and image data from scars, marks, and tattoos (SMT) with textual information

Subject Area	Description
Type-13 Variable-Resolution Latent Image Record	Used for exchanging latent fingerprint or palmprint image data with textual information
Type-14 Variable-Resolution Fingerprint Image	Used for exchanging variable-resolution fingerprint image data, segmented flat fingerprint data, or major case print data with textual information
Type-15 Variable-Resolution Palmprint Image	Used for exchanging variable-resolution palmprint image data with textual information
Type-16 Interim Support for Iris Image (Deprecated)	Used as an interim support for Iris Image for DoD EBTS 1.2 with ANSI/NIST ITL 1-2000. The use of this logical record for Iris Image has been deprecated by Type-17 Iris Image.
Type-17 Iris Image	Used for exchanging iris image data
Type-18 DNA Record	Used for exchange of DNA data.
Type-20 Source Representation Record	The source representation(s) from which other Record Types were derived. Examples are an image of multiple latent prints, of which one or more is of interest. Those would be segmented and prepared for sending in a Type-13 record.
Type-21 Associated Context Record	Contains an associated context record. This information does NOT contain information used to derive biometric information contained in other records. Record Type-20 serves that function. Record Type-21 may be used to convey contextual information, such as an image of the area where latent fingerprints were captured.
Type-98 Information Assurance Record	Contain security information that assures the authenticity and/or integrity of the transaction.
Type-99 CBEFF Biometric Data Record	Common Biometric Exchange Formats Framework (CBEFF). Used for exchanging biometric data not supported by other ANSI/NIST ITL logical record types

IDD Data Element Characteristics. The following table lists the data element characteristics captured in the IDD and to which types of data construct the characteristic applies.

Table 3. IDD Data Element Characteristics

Characteristic	Description	Set	Info Item	Stand-alone
Field ID (Mnemonic)	The Field ID and Mnemonic assigned by the transmission specifications (DoD EBTS or FBI EBTS) or Application Profile or ANSI/NIST ITL standard.	X	X	X
Element Name	Name of the dictionary element. The element name is intended to be human readable. There are 3 types of elements: Standalone, Set, and Information Item within a set	X	X	X
Description	Textual description or definition for the dictionary element	X	X	X
Remarks	Additional notes regarding the element that are not part of the definition.	X	X	X
Format	Specific format for the element (e.g. YYYYMMDD for date)		X	X
Previous DDE Name	The name the Element used to have.	X	X	X
Number of Information Items	The number of information items within a data set. The value will be 0 for a standalone dictionary element or an information item of a set. The value will be 1 or greater for a set.	X		
Number of Characters Allowed	Minimum and Maximum number of characters per occurrence. The size is only pertinent to the dictionary element. Field identifier tags and separators are not accounted for.		X	X

Characteristic	Description	Set	Info Item	Stand-alone
Character Type Allowed	Type of allowable characters such: • A Alphabetic: 26 English letters (both upper and lower case) within the 7-bit ASCII character set. • AN Alphanumeric: Alphabetic and numeric 1 2 3 4 5 6 7 8 9 0 within the 7-bit ASCII character set. • ANS Alphanumeric and special characters that are specifically stated in the description of the data (such as period or comma) within the 7-bit ASCII character set. • AS Alphabetic and special characters that are specifically stated in the description of the data (such as period or comma) within the 7-bit ASCII character set. • B Binary for Traditional encoding (See Annex B: Traditional encoding) or Base64 for XML (See Annex C: NIEM-conformant encoding rules) • Base64 Base-64 encoded (exclusively) • H Hexadecimal representation: 0 1 2 3 4 5 6 7 8 9 A B C D E F • N Numeric: 1 2 3 4 5 6 7 8 9 0 • NS Numeric with special characters that are specifically stated in the description of the data (such as period or comma) within the 7-bit ASCII character set. • U Unicode characters available in UTF-8: Latin and extended Latin characters like ü, Ñ, ç, Þ, ß, ł, ă, and/or special characters like £, €, ™, +, * and ‡, and/or non-Latin characters like ㅛㅏㅇ, Å, ж, ओ 句ت, ע, and の		X	X
Source	The authoritative source the dictionary element is completely or partially extracted or derived from.	X	X	X
DoD EBTS 1.2	Indicator that the dictionary element was referenced by the DoD EBTS v1.2.	X	X	X
DoD EBTS 2.0	Indicator that the dictionary element was referenced by the DoD EBTS v2.0.	X	X	X

Characteristic	Description	Set	Info Item	Stand-alone
DoD EBTS 3.0	Indicator that the dictionary element is referenced by the DoD EBTS v3.0.	X	X	X
Special Characters	Allowable characters that are neither alphanumeric nor binary, such as punctuation characters. For example: Period, Comma, Minus, Plus, Hyphen. 7-bit ASCII characters shall be used for special characters when Character Type is either AS, ANS or NS. UTF-8 character encoding shall be used for special characters when Character type is U.		X	X
Value Constraints	Identifies the value constraints that shall be applied to the content within the element (e.g. specific codes from the look up codes list, integer value of certain range, etc.)		X	X
Legacy Derivable	Dictionary element(s) to which this FBI EBTS data element is being transitioned to DoD Element(s) from which the FBI EBTS data element can be derived from.	X	X	X
Sunset Reason	Rationale for retiring the dictionary element in the future.	X	X	X
Deprecated By	Dictionary elements(s) and conditions to which this DoD data element is being transitioned to.	X	X	X
Look Up Codes	The allowable codes for the dictionary element and a short description of the code.		X	X

4   Authoritative Sources

The "Source" characteristic within the dictionary element indicates the authoritative source the element is either completely or partially extracted or derived from. The following is a list of primary authoritative sources used to develop the Integrated Data Dictionary:

- [ITL 1-2011] ANSI/NIST-ITL 1-2011, "American National Standard for Information Systems – Data Format for the Interchange of Fingerprint, Facial, & Other Biometric Information" (NIST Special Publication 500-290).
- [DoD EBTS] Department of Defense, Electronic Biometric Transmission Specification, Version 3.0 (DIN: BIMA-STB-STD-11-001)
- [FBI EBTS] Department of Justice, Federal Bureau of Investigation, Criminal Justice Information Services (CJIS), "Electronic Biometric Transmission Specification," (IAFIS-DOC-01078-9.3).

Additional references were also used to develop some of the data elements:

- [DOD EBTS] DoD Electronic Biometric Transmission Specification (EBTS) v1.2 (DOD_BTF_TS_EBTS_Nov06_01.02.00)
- [ISO 3166-1] ISO/IEC 3166-1, "Codes for the representation of names of countries and their Subdivisions – Part 1: Country Codes."
- [NIEM] National Information Exchange Model v2.1
- [NCIC] NCIC Code Manual version 10.3
- Department of Defense Instruction Number 2000.16
- Army Regulation 190-8
- The Under Secretary of Defense for Acquisition, Technology and Logistics, 6 June 2011, "Memorandum on DoD Country Code Standard."
- [SOP] DoD EBTS Change Request Standard Operating Procedure

Note, some active elements were not referenced directly from an authoritative source; instead, they were developed for DoD EBTS or its Application Profile(s) need. For these elements, "BSWG" will be entered as the source since they have been vetted and approved by the Biometric Standards Working Group.

For emerging elements, since they have not yet been approved by the BSWG, the source will indicate the operational need that element(s) is supporting.

5   Date and Time Fields

Date fields must be valid dates and in accordance with the requirements stated below. In general, the format for date fields are follows:

- A date is shown as an 8-digit numeric field of the format YYYYMMDD (YYYY-MM-DD for XML encoding), where:
- YYYY (Year) must be 0000 to 9999
- MM (Month) must be 01 to 12
- DD (Day) must be 01 to the limit defined by the month and year (*e.g.*, DD may be 29 for MM = 02 in leap years).

Gregorian calendar is default if not specified.

For example 19921201 represents December 1, 1992.

DateTime fields must be valid dates and time fields in coordinated universal time format (YYYYMMDDHHMMSSZ in Traditional Encoding and YYYY-MM-DDTHH:MM:SSZ in XML Encoding). The format for the date is the same as above. The format for time is as follow:

- HH (Hour) must be 00 to 23
- MM (Minute) must be 00 to 59
- SS (Second) must be 00 to 59

For example 19921201103015Z represents December 1, 1992 at 10:30:15AM.

Since dates and time find a variety of uses in EBTS transactions, each use may have specific format restrictions or special edits. For specific format restrictions or special edits, see the individual date field entries for detail.

Field ID (Mnemonic) Assigned by DoD EBTS

DoD EBTS 3.0 Indicator

DoD elements used to derived the FBI element

Type-2 User-Defined Descriptive Text Record

Residence of Person Fingerprinted (Legacy Derivable)

Field ID (Mnemonic)	2.041 (RES)		
Description	The subject's residential address may be entered in this field as free text, including printable special characters and formatting characters (CR, LF, TAB). The RES returned in a response is the same as the one submitted. For the XML encoding, it contains sub-elements for the subject's complete address location.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 120	DoD EBTS 3.0	Derivable
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8031 SUB_ADDR; concatenate the following information items: 2.8031_1 - 2.8031_8		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Eye Position

Additional remarks about the data element

Value constraints applicable to this element

Field ID (Mnemonic)	2.8037_1 (EPOS)		
Description	The position of the eye.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	EPOS = 0, 1, or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	EYE POSITION CODES:
	  0 = Undefined
	  1 = Right Eye
	  2 = Left Eye		

Figure 3: Examples of Integrated Data Dictionary Elements

New characteristics in IDD v5.0

6 IDD Element Change Log

DoD Defined Data Elements. The following table lists the data elements that have been added, reinstated, modified, sunset, or deprecated to this version of the IDD.

Table 4. DoD Defined Data Elements Change Log

Element Name	Element State	Type of Change

Biometric Subject Alternate Name
  Person Alternate Name Category Code
  Name – One
  Name – Two
  Name – Three
  Name – Four
  Name – Five
  Name Validity
  Transliteration Code
  Comment
	Active	Added.

Biometric Subject Contact Telephone
  Telephone Category Code
  Phone Number
  Phone Extension
	Active	Added.

Biometric Subject Contact Email Email Address	Active	Added.

Caveat
  Caveat Originating Agency Country Code
  Caveat Originating Agency Name
  Caveat Originating Agency Identifier
  Caveat Date
  Caveat Category Code
  Caveat Text
	Active	Added.

Palmprint Image Omitted Reason	Active	Added.
Facial Image Omitted Reason	Active	Added.
Collection COCOM	Active	Added.
Collection Equipment Make/Model/Serial Number	Active	Added.
Encounter Protection	Active	Reinstated
BAT Global Unique Identifier	Active	Reinstated
DBIDS ID	Active	Reinstated
Electronic Data Interchange Personal Identifier	Active	Reinstated
Dossier Number	Active	Reinstated
Internment Serial Number	Active	Reinstated
Request IAFIS Search	Active	Reinstated
Biometric Subject Blood Type	Active	Modified. Aligned

		all valid values with NIEM.
Biometric Subject Ethnic/Racial Characteristic	Active	Modified. Added all FBI race codes. Provided mapping from DoD codes to FBI codes.
Biometric Subject Personnel Type	Active	Modified. Added codes from FBI's 2.063 Person Type Designation.
Biometric Subject Citizenship	Active	Modified. Support ISO 3166-1 Alpha3 codes.
Collected Identification Type	Active	Modified. Dossier Number and Internment Serial Number split out into separate fields.

Biometric Subject Associated Individual
  Associated Individual Gender
  Associated Individual Role
  Name – One
  Name – Two
  Name – Three
  Name – Four
  Name – Five
  Address Line 1
  Address Line 2
  City
  State/Province
  Country Code
  Postal Code
  Neighborhood / District
  Village
  Phone Number
  Birth Date
  Occupation
  Comment
	Active	Modified. Restructured to improve support for repeating subfield for BAT V5 AP with added capabilities and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.

Biometric Subject Name
  Name – One
  Name – Two
  Name – Three
  Name – Four
  Name – Five
  Name Validity
	Active	Modified. Restructured to stay consistent with other fields that include name and better alignment with NIEM XML.

Transliteration Code		
Biometric Subject Current Residence 　Address Line 1 　Address Line 2 　City 　State/Province 　Country Code 　Postal Code 　Neighborhood / District 　Village 　Address Validity	Active	Modified. Restructured to stay consistent with other fields that include address and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.
Biometric Subject Birth Location 　City 　State/Province 　Country Code 　Village 　Comment	Active	Modified. Restructured to stay consistent with other fields that include address/location and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.
Biometric Subject Death Location 　City 　State/Province 　Country Code 　Village 　Comment	Active	Modified. Restructured to stay consistent with other fields that include address/location and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.
Biometric Subject Group Membership 　Group Name 　Group Type 　Group Member Role 　Address Line 1 　Address Line 2 　City 　State/Province 　Country Code 　Postal Code 　Village 　Phone Number 　Comment	Active	Modified. Restructured to improve support for repeating subfield for BAT V5 AP and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.

Collection Location
  Universal Time Entry
  Latitude Degree Value
  Latitude Minute Value
  Latitude Second Value
  Longitude Degree Value
  Longitude Minute Value
  Longitude Second Value
  Elevation
  Geodetic Datum Code
  Geographic Coordinate Universal Transverse Mercator Zone
  Geographic Coordinate Universal Transverse Mercator Easting
  Geographic Coordinate Universal Transverse Mercator Northing
  Geographic Reference Text
  Geographic Coordinate Other System Identifier
  Geographic Coordinate Other System Value
  City
  State/Province
  Country Code
  Village
  Record Category Code
	Active	Modified. Restructured to align with operational use by BAT and be consistent with other address/location type fields. Support ISO 3166-1 Alpha3 codes.

Employment
  Employer Name
  Employee Position Name
  Address Line 1
  Address Line 2
  City
  State/Province
  Country Code
  Postal Code
  Neighborhood / District
  Village
  Phone Number
  Email Address
  Clearance Code
  Job Duties
  Job Description
  Supervisor Name
  Start Date
  End Date
  Comment
	Active	Modified. Restructured to improve support for repeating subfield for BAT V5 AP with added capabilities and better alignment with NIEM XML. Support ISO 3166-1 Alpha3 codes.

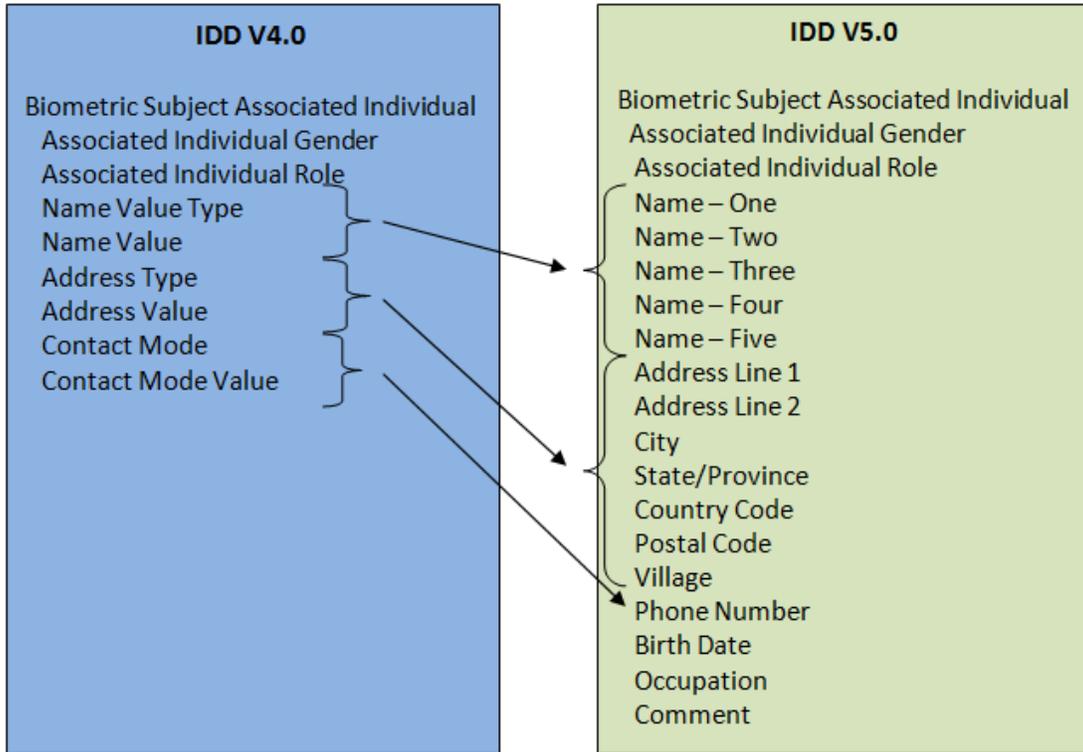|		
Biometric Subject Eye Color 　Eye Position 　Eye Color	Active	Modified. Restructured to add support to capture different eye color for each eye.
Biometric Subject Height Measurement 　Height Value 　Length Unit 　Measurement Validity	Active	Modified. Restructured to align with DoD EBTS 2.0 and NIEM XML.
Biometric Subject Weight Measurement 　Weight Value 　Weight Unit 　Measurement Validity	Active	Modified. Restructured to align with DoD EBTS 2.0 and NIEM XML.
Encounter Mission Type	Active	Renamed code from Detainee Operation (DO) to Detainee Transfer (DT).
Transportation 　Transport Type 　Transport Identifier Category Code 　Transport Identifier 　Transport Make 　Transport Model 　Transport Model Year 　Transport Color 　Comment	Active	Modified. Restructured to improve support for repeating subfield for BAT V5 AP with added capabilities.
Biometric Subject Other Physical Characteristics	Deprecated	Deprecated. See 2.026 SMT.
Nationality	Deprecated	Deprecated. See 2.8033 SUBJ_POB and/or 2.8007 SUBJ_CTZ.
Geographic Coordinate Datum	Deprecated	Deprecated. See ITL 2011 xx.998 GEO.
Geographic Coordinate Latitude/Longitude 　Latitude Degree 　Latitude Minute 　Latitude Second 　Longitude Degree 　Longitude Minute 　Longitude Second	Deprecated	Deprecated. See ITL 2011 xx.998 GEO or 2.8114.
Geographic Coordinate Other 　Geographic Coordinate Other System	Deprecated	Deprecated. See ITL 2011 xx.998

Identifier Geographic Coordinate Other System Value		GEO or 2.8114.

Geographic Coordinate Universal Transverse Mercator
   Geographic Coordinate Universal Transverse Mercator Zone
   Geographic Coordinate Universal Transverse Mercator Northing
   Geographic Coordinate Universal Transverse Mercator Easting
	Deprecated	Deprecated. See ITL 2011 xx.998 GEO or 2.8114.

Latent Circumstances	Deprecated	Deprecated. See 13.020 Comment.
Latent Development	Deprecated	Deprecated. See 13.902 Annotated Information; 13.902_4 Process Description.
Latent Source Item	Deprecated	Deprecated. See 13.020 Comment or if Type-20 is used, then populate 13.997 Source Representation accordingly.
Collection Application Assigned Identification	Deprecated	Deprecated. See 2.300 GUID, 2.309 DBIDS_ID, 2.308 EDIPI
Submission Priority	Deprecated	Deprecated. See 1.006 PRY

Biometric Subject Associated Document
   Document Title
   Document Identifier
   Document Description
	Sunset	Sunset. Type-21 Associated Context supports this concept.

Capture Time	Sunset	Sunset. x.998 GEO field includes capture time in UTE format.
Environment Condition	Sunset	Sunset. Withdrawn by Navy

Subsequent Notification
   Subsequent Notification Function
   Subsequent Notification Email Address
   Subsequent Notification Expiration Date
	Sunset	Sunset. Not implemented by DoD ABIS. Manually

		processed. Need requirement.

Transaction Lookup
   Transaction Lookup Type
   Transaction Lookup Identifier Value
	Sunset	Sunset. Not implemented by DoD ABIS. Manually processed. Need requirement.

Verification Identifier
   Verification Identifier Type
   Verification Identifier Value
	Sunset	Sunset. Not implemented by DoD ABIS. Need requirement.

Capture Device Firmware Version Number	Sunset	Sunset. ANSI/NIST ITL 20011 has only defined make/model/serial number.
Digitization Date	Sunset	Sunset. Withdrawn by Navy

Biometric Subject Previous Residence
   Address Line 1
   Address Line 2
   City
   State/Province
   Country Code
   Postal Code
   Neighborhood / District
   Village
   Address Validity
   Start Date
   End Date
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for BAT V5 AP and support ISO 3166-1 Alpha 3 codes.

Collection Unit
   Superior Unit
   Subordinate Unit
   SubSuperior Unit
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for BAT V5 AP.

Vendor Software
   Software Vendor Name
   Software Application Name
   Software Application Version Number
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Access Location
   Location Name
   City
   Country Code
   State/Province
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access and support

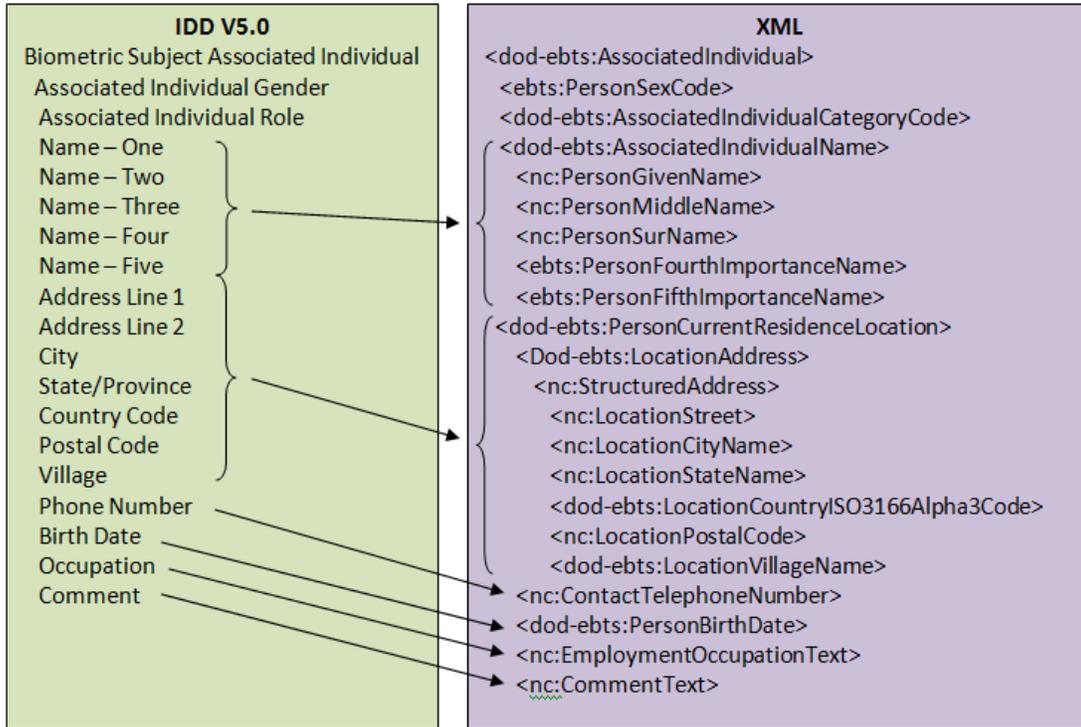|		
Village Latitude Degree Latitude Minute Latitude Second Longitude Degree Longitude Minute Longitude Second Location Description		ISO 3166-1 Alpha 3 codes.
Access Location Airport Installation Permission 　Access Location Airport Installation Category Code 　Force Protection Condition Code 　Authority Approval Status Code	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Badge 　Access Location Badge Number 　Access Location Badge Color Code 　Access Location Badge Status Code 　Access Location Badge Issue Date 　Access Location Badge Expiration Date 　Access Location Badge Issuance Organization Name 　Access Location Badge Issuance Office Name	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Badge Color 　Access Location Badge Color Code 　Authority Approval Status Code	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Badge Replacement 　Access Location Badge Replacement Reason Code 　Access Location Replaced Badge Number	Emerging	Added Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Expiration 　Access Location Expiration Date 　Authority Approval Status Code	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Facility Permission 　Access Location Facility Category Code 　Force Protection Condition Code 　Authority Approval Status Code	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
Access Location Privilege	Emerging	Added. Not

Access Location Privilege Category Code Access Location Privilege Value Authority Approval Status Code		referenced by DoD EBTS 3.0. Proposed for Base Access.

Access Location Required Day of the Week
   Weekday Number
   Authority Approval Status Code
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Access Location Required Month
   Month Number
   Authority Approval Status Code
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Access Application Number	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Contract
   Contract Number
   Contract Expiration Date
	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Project Name	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.
LEP Screening Document Requirement Indicator	Emerging	Added. Not referenced by DoD EBTS 3.0. Proposed for Base Access.

Biometric Subject Specialty
   Biometric Subject Specialty Value
   Biometric Subject Specialty Proficiency
   Biometric Subject Specialty Validity
	Emerging	Modified. Restructured to align with BAT V5 AP.

Repository Candidate List
   Name of Designated Repository
   Repository Candidate Identifier
   Repository Candidate Name
	Emerging	Modified. Restructured to expand capabilities to support candidate list from different repositories.

Rationales for Restructuring. To improve support for repeating subfield(s), some of the normalized data fields that contain name, address and/or contact information were restructured by flattening the information items and reducing the choices for contact information to phone and/or email address. The diagram below illustrates an example of the restructuring:

Figure 4: Example of a Restructured Data Field from IDD 4.0 to IDD 5.0

In addition to restructuring, some of the data fields have expanded to allow capture of more information. Furthermore, the restructuring allowed the data elements that support Traditional encoding to gain better alignment with the NIEM XML encoding. The diagram below illustrates the alignment of the IDD restructured field to NIEM XML encoding.

Figure 5: Alignment of Restructured IDD 5.0 Data Field to XML Encoding

Watchlist Elements. Some watchlist elements are out of scope for the Integrated Data Dictionary. The current scope of the IDD is to support DoD EBTS and Application Profiles. BIMA STB will need requirements in order to fully support Watchlist in the IDD. The following elements have been removed since they are out of scope to this version of the IDD:

- Watchlist Identifier
- Watchlist Name
- Watchlist Type
- Watchlist Description
- Watchlist Creation Time
- Watchlist Count

The IDD V5.0 continues to support the 2.350 Alert and all of its information items.

FBI EBTS 9.3 Defined Data Elements. The following table lists the FBI EBTS 9.3 data elements that have been added, modified, or sunset to this version of the IDD. Those FBI EBTS 9.3 elements that are derivable from DoD IDD elements are also listed below.

Table 5. FBI EBTS 9.3 Defined Data Elements Change Log

Element Name	Element State	Comment
2.095 Request Feature Record 2.2010 Number of Images Requested 2.2032 Audit Trail Record 2.2031 Biometric Image Available 2.2028 Biometric Image Description 2.2029 Biometric Set Identifier 2.2033 Candidate Investigative List 2.2030 Print Position Descriptors 2.2034 Unsolved Latent Retained 14.200 Image Source Code 15.200 Image Source Code	Active	New active elements from FBI EBTS 9.3. Not referenced by DoD EBTS 3.0.
2.004 Query Depth of Detail 2.058 Image Record Type Desired 2.069 Estimated Time To Complete 2.077 Cancel Friction Ridge Search 2.036 Photo Available Indicator	Sunset	FBI EBTS 9.3 indicated planned for retirement.
2.084 Amputated or Bandaged 2.014 FBI Number (UCN) 2.062 Image Type 2.074 Finger Position 2.079 Number of Candidates Returned 2.098 Name of Designated Repository 2.086 AFIS Segment Control Number 2.065 Repository Statistics Response 2.059 Search Result Findings 2.013 Latent Case Number Extension	Modified	FBI EBTS 9.3 modified (e.g. additional codes, expanded field size and definition change.)

2.067 Make/Model/Serial Number	Legacy Derivable	See xx.904 & 17.019 Make/Model/Serial Number
2.063 Person Type Designation	Legacy Derivable	See 2.310 Biometric Subject Personnel Type
2.037 Reason Fingerprinted	Legacy Derivable	See 2.8103 Collection Reason
2.016 Social Security Number	Legacy Derivable	See 2.8019 Collected Identification
2.017 Miscellaneous Identification Number	Legacy Derivable	See 2.8019 Collected Identification
2.018 Name	Legacy Derivable	See 2.8040 Biometric Subject Name
2.019 Aliases	Legacy Derivable	See 2.8026 Biometric Subject Alternate Name
2.020 Place of Birth	Legacy Derivable	See 2.8033 Biometric Subject Birth Location
2.021 Citizenship	Legacy Derivable	See 2.8007 Biometric Subject Citizenship
2.022 Date of Birth	Legacy Derivable	See 2.8003 Biometric Subject Birth Date
2.023 Age Range	Legacy Derivable	See 2.8003 Biometric Subject Birth Date
2.027 Height	Legacy Derivable	See 2.8035 Biometric Subject Height Measure
2.028 Height Range	Legacy Derivable	See 2.8035 Biometric Subject Height Measure
2.029 Weight	Legacy Derivable	See 2.8036 Biometric Subject Weight Measure
2.030 Weight Range	Legacy Derivable	See 2.8036 Biometric Subject Weight Measure
2.031 Color Eye	Legacy Derivable	See 2.8037

		Biometric Subject Eye Color
2.038 Date Printed	Legacy Derivable	See xx.005 <Sample> Capture Date
2.039 Employer and Address	Legacy Derivable	See 2.8028 Employment
2.041 Residence of Person Fingerprinted	Legacy Derivable	See 2.8031 Biometric Subject Current Residence
2.025 Race	Legacy Derivable	See 2.8008 Biometric Subject Ethnic/Racial Characteristics

ANSI/NIST ITL 2011 Defined Data Elements. The following is a list of common changes to the majority of logical record types supported by ANSI/NIST ITL 1-2011 referenced by the DoD EBTS 3.0:

- Renamed
  - xx.001 Logical Record Length (LEN) to Record Header
  - xx.002 Image Designation Character (IDC) to Information Designation Character
  - xx.004 Source Agency / Identifier (ORI) to Source Agency Identifier and changed size from 9-35 to 1-unbounded
  - xx.009 Horizontal Pixel Scale (HPS) to Transmitted Horizontal Pixel
  - xx.010 Vertical Pixel Scale (VPS) to Transmitted Vertical Pixel
- Increased Field Size
  - xx.006 Horizontal Line Length (HLL) size from 3-4 to 2-5 characters
  - xx.007 Vertical Line Length size (VLL) from 3-4 to 2-5 characters
  - xx.009 Scale (THPS) and changed size from 1-4 to 1-5 characters
  - xx.010 Scale (TVPS) and changed size from 1-4 to 1-5 characters
- Added New Fields
  - xx.902 Annotation Information (ANN)
  - xx.903 Device Unique Identifier (DUI)
  - xx.904 Make/Model/Serial Number (MMS)
  - xx.993 Source Agency Name (SAN)
  - xx.995 Associated Context (ASC)
  - xx.996 Hash (HASH)
  - xx.997 Source Representation (SOR)
  - xx.998 Geographic Sample Acquisition Location (GEO)

The following is a list of specific changes to each logical record types supported by ANSI/NIST ITL 1-2011 referenced by the DoD EBTS 3.0.

Table 6. A/N ITL 1-2011 Changes to Logical Record Referenced by IDD 5.0

Record Type	Subject Area	Description
1	Transaction Information	- New fields: 1.016 Application Profile Specifications (APS), 1.017 Agency Name (ANM)
9	Minutiae Data	- New fields for Latent Workstation Annotations 9.901 (ULA) - Fields 9.005 through 9.012 in ITL 1-2011 shall not appear for all new applications and are 'legacy fields'.
10	Facial, Other Body Part and SMT Image	- New fields: 10.031 Tiered Markup Collection (TMC), 0.032 3D Facial Feature Points 10.033 Feature Contours 10.038 Comment 10.039 Type-10 Reference Number 10.044 Image Transform 10.045 Occlusions. - Deprecated fields: 10.022 Photo Description (PXS)
13	Latent Image (Variable-Resolution)	13.013 Finger / Palm Position (FGP) renamed to Friction Ridge Generalized Position with additional codes
14	Fingerprint Image (Variable-Resolution)	14.013 Finger Position (FGP) renamed to Friction Ridge Generalized Position with additional codes - New fields: 14.026 Simultaneous Capture 14.027 Stitched Image Flag 13.031 Subject Acquisition Profile – Fingerprint 14.999 is required unless 14.018 AMP has value of UP.
15	Palmprint Image (Variable-Resolution)	15.014 Palmprint Position (FGP) renamed to Friction Ridge Generalized Position with additional codes - New fields: 15.018 Amputated or Bandaged 15.999 is required unless 15.018 AMP has value of UP.
17	Iris Image	17.018 Global Unique Identifier (GUI) has been deprecated. It did not conform

		to the standard GUI usage in information technology.
		• 17.025 Acquisition Lighting Spectrum (ALS) renamed to Effective acquisition spectrum (EAS) and field size changed from 3-3 to 3-9 with new codes.
		• New Fields:1
		  • 17.027 Specified Spectrum Values (SSV)
		  • 17.028 Damaged or Missing Eye (DME)
		  • 17.031 Subject Acquisition Profile – IRIS (IAP)
		  • 17.032 Iris Storage Format (ISF)
		  • 17.033 Iris Pupil Boundary (IPB)
		  • 17.034 Iris Sclera Boundary (ISB)
		  • 17.035 Upper Eyelid Boundary (UEB)
		  • 17.036 Lower Eyelid Boundary (LEB)
		  • 17.037 Non-Eyelid Occlusions (NEO)
		  • 17.040 Range (RAN)
		  • 17.041 Frontal Gaze (GAZ).
		• 17.999 is required unless 17.028 DME populated in the record

18	DNA	• new modality for DoD EBTS 3.0
20	Source Representation Record	• new logical record for DoD EBTS 3.0
21	Associated Context Record	• new logical record for DoD EBTS 3.0
98	Information Assurance	• new logical record for DoD EBTS 3.0
99	CBEFF Biometric Data Record	• 99.101 BTY, lookup codes have been updated. Only those codes for modalities that do not have a logical record type defined within ANSI/NIST ITL 1-2011 are listed.

7 Contact Information

- **Biometrics Identity Management Agency, Arlington, VA**
  - *Capabilities Integration Division Chief (Acting): Mr. Thomas D'Agostino*
    Thomas.Dagostino@us.army.mil
    Tel: 703-607-1951
  - *BIMA STB Team Lead: Mr. Matthew Young*
    Matthew.R.Young4.ctr@us.army.mil
    Tel: 703.607.2043
  - *DoD EBTS Lead: Mr. Brian Harrig*
    brian.w.harrig.ctr@us.army.mil
    Tel: 703.602.3847
  - *BIMA STB Email Address*
    DCSG-3BiometricsStandardsBranchTeam@conus.army.mil

- **BIMA Data Team (BDT) - Architecture and Standards Branch**
  - *Project Manager: Mr. Keith Riser*
    keith.m.riser.civ@mail.mil
    Tel: 443-861-9104
  - *Technical Manager: Ms. Mayra Wiggins*
    Mayra.E.Wiggins.civ@mail.mil
    Tel: 443-861-9145
  - *Task Manager: Ms. Mary Reddell*
    Marykatherine.M.Reddell.ctr@mail.mil
    Tel: 443-861-8236
  - *BDT Lead: Mr. Chris Ceravolo*
    Chris.Ceravolo@us.army.mil
    Tel: 908-665-5940 x310
  - *IDD Lead: Ms. Polly Yu*
    Polly.Yu@us.army.mil
    Tel: 908-665-5940 x302

Type-1 Transaction Information Record

Agency Names

Field ID (Mnemonic)	1.017 (ANM)		
Description	This optional field is comprised of two optional information items. The first is the destination agency name / DAN. This corresponds to the agency listed in Field 1.007 Destination agency identifier / DAI. The second optional information item is the originating agency name / OAN. This corresponds to the agency listed in Field 1.008 Originating agency identifier / ORI. Both information items are alphanumeric and can have any special characters in the names.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Destination Agency Name

Field ID (Mnemonic)	1.017_1 (DAN)		
Description	The name of the administration or organization designated to receive the transmission.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Agency Names

Originating Agency Name

Field ID (Mnemonic)	1.017_2 (OAN)		
Description	The name of the administration or organization originated the transmission.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Application Profile Specifications

Field ID (Mnemonic)	1.016 (APS)		
Description	Use of this optional field indicates the transaction's conformance with one or more Application Profile Specifications that are derived from ANSI/NIST-ITL 1-2011, such as EBTS or INT-I. There may be multiple subfields, each designating an application profile to which this transaction conforms. If multiple Application Profile Specifications are included in this field, the specifications must be compatible with each other: this transaction must be in compliance with all of the cited specifications.		
Remarks	DoD EBTS Type-1 records are defined in ITL 1-2011. Every application profile shall define values in the Application Profile Specifications field (1.016). The BIMA Baseline Application Profile shall be the default value in field 1.016 if no other value is provided. The Baseline Application Profile specifies the common transactions occurring between DoD collection devices that have direct or indirect transaction ties to the DoD authoritative biometric repository. The Baseline Application Profile enables the user to conform to DoD EBTS v3.0.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Application Profile Specifications

Application Profile Organization

Field ID (Mnemonic)	1.016_1 (APO)		
Description	The first information item of the Application Profile Specifications field. It uniquely identifies the agency or entity responsible for the specification.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	For DoD EBTS, APO = BIMA		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Application Profile Name

Field ID (Mnemonic)	1.016_2 (APN)		
Description	The second information item of the Application Profile Specifications field. It shall contain the name of the specification.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	1	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	For Baseline Application Profile, APN = Baseline Application Profile		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Application Profile Specifications

Application Profile Version Number

Field ID (Mnemonic)	1.016_3 (APV)		
Description	The third information item of the Application Profile Specifications field. It shall contain the specific version of the specification.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	For Baseline Application Profile, APV = 1.0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Character Encoding

Field ID (Mnemonic)	1.015 (DCS)		
Description	This optional field specifies the character encoding that may appear within this transaction for data with the character type listed as "U" or 'user-defined' in "Char Types". The default character encoding for the Traditional Encoding is 7-bit ASCII. For XML, it is UTF-8.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	Directory of Character Sets	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Character Encoding

Character Encoding Set Index

Field ID (Mnemonic)	1.015_1 (CSI)		
Description	This first information item of Field 1.015 DCS is the identifier for the character set index number that references an associated character set throughout the transaction file.		
Remarks	Index Code '1' for 8 bit Latin has been deprecated and should not be used. DoD EBTS 3.0 default character encoding is 7-bit ASCII; UTF-8 is also allowed.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	Character Set Index Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	CSI = 0 (7-bit ASCII) or 3 (UTF-8)		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TRANSACTION CHARACTER SET INDEX CODES:
	  0 = ASCII - 7 bit (Default) with zero added in high bit position
	  1 = 8 bit Latin - Deprecated
	  2 = UTF-16 - 16 bit
	  3 = UTF-8 - 8 bit
	  4 = UTF-32 - 32 bit
	  5-127 = Reserved for ANSI/NIST future use
	  128-999 = User-defined character sets		

Character Encoding Set Name

Field ID (Mnemonic)	1.015_2 (CSN)		
Description	The second information of Field 1.015 DCS item shall be the common name for the character set associated with that index number.		
Remarks	Character Set Name '8-bit Latin' has been deprecated and should not be used. DoD EBTS 3.0 default character encoding is 7-bit ASCII; UTF-8 is also allowed.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	Character Set Name	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	CSN = ASCII or UTF-8		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TRANSACTION CHARACTER SET NAME CODES:
	  ASCII = 7-bit English (Default)
	  8-bit Latin = Deprecated
	  UTF-16 = 16-bit
	  UTF-8 = 8-bit
	  UTF-32 = 32 bit		

UNCLASSIFIED

Type-1 Transaction Information Record

Character Encoding

Character Encoding Set Version

Field ID (Mnemonic)	1.015_3 (CSV)		
Description	The optional third information item of Field 1.015 DCS is the specific version of the character set used. In the case of the use of UTF-8, this information item can be used to hold the specific version of the character set used with UTF-8, so that the display terminal can be switched to the correct font family.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	Character Set Version	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date

Field ID (Mnemonic)	1.005 (DAT)		
Description	This mandatory field shall contain the local date that the transaction was submitted.		
Remarks	Reference Annex B (traditional encoding) and Annex C (xml encoding) from ANSI/NIST ITL 1-2011 for more detail.		
Format	YYYYMMDD - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Destination Agency Identifier

Type-1 Transaction Information Record

Destination Agency Identifier

Field ID (Mnemonic)	1.007 (DAI)		
Description	This mandatory field shall contain the identifier of the administration or organization designated to receive the transmission.		
Remarks	For DoD EBTS purpose, this field shall be a 9 alphanumeric character field.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	9 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Domain Name

Field ID (Mnemonic)	1.013 (DOM)		
Description	This optional field identifies the domain name for the user-defined Type-2 record implementation.		
Remarks	This field identifies the domain name for the DoD EBTS implementation. The domain shall be registered with the BIMA. It consists of a Domain Name Implementation and a Domain Name Implementation Version. The BIMA is the domain registrar for domain names used in DoD EBTS transactions. For transactions that use different implementation, the Domain Name shall be populated according to the Application Profile that transaction belongs to.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Domain Name

Domain Name Implementation

Field ID (Mnemonic)	1.013_1 (DNM)		
Description	The mandatory first information item (domain name / DNM) will uniquely identify the agency, entity, or implementation used for formatting the fields in the Type-2 record.		
Remarks	This field identifies the domain name for the DoD EBTS implementation and BIMA is the domain registrar. It consists of a Domain Name Implementation and a Domain Name Implementation Version. For transactions that use implementation other than DoD EBTS, the Domain Name shall be populated according to the Application Profile that that transaction belongs to.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	For DoD EBTS, DNM = DoD EBTS		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Domain Name Implementation Version

Field ID (Mnemonic)	1.013_2 (DVN)		
Description	An optional second information item shall contain the unique version of the particular implementation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	For DoD EBTS 3.0, DVN = 3.0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Type-1 Transaction Information Record

Greenwich Mean Time

Field ID (Mnemonic)	1.014 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	Reference Annex B (traditional encoding) and Annex C (xml encoding) from ANSI/NIST ITL 1-2011 for more detail. If used, the GMT field contains the universal date that will be in addition to the local date contained in Field 1.005 (DAT). Use of the GMT field eliminates local time inconsistencies encountered when a transaction and its response are transmitted between two places separated by several time zones.		
Format	YYYYMMDDhhmmssZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Native Scanning Resolution

Field ID (Mnemonic)	1.011 (NSR)		
Description	This mandatory field shall be set to "00.00" if there are no Type-4 records in the transaction. When there are Type-4 records present, this field is used to specify the native scanning resolution of the friction ridge image capture device. This field shall specify the resolution in pixels per millimeter. The resolution shall be expressed as two numeric characters followed by a decimal point and two more numeric characters.		
Remarks	n/a		
Format	##.##	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	5 to 5	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	NSR = 00.00 if no Type-4 records in transaction; otherwise xx.xx		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Nominal Resolution

Type-1 Transaction Information Record

Nominal Resolution

Field ID (Mnemonic)	1.012 (NTR)		
Description	This mandatory field shall be set to "00.00" if there are no Type-4 records in the transaction. When there are Type-4 records present, this field specifies the nominal resolution for the image(s) being exchanged. This field shall specify the resolution in pixels per millimeter. The resolution shall be within the range 19.30 ppmm (490 ppi) to 20.08 ppmm (510 ppi).		
Remarks	n/a		
Format	##.##	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	Nominal Transmitting Resolution	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	5 to 5	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	NTR = 00.00 if no Type-4 records in transaction; otherwise xx.xx		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Originating Agency Identifier

Field ID (Mnemonic)	1.008 (ORI)		
Description	The origination field shall contain the ORI identifying the agency or organization submitting the transaction.		
Remarks	For DoD EBTS purpose, this field shall be a 9 alphanumeric character field.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	9 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Priority

Type-1 Transaction Information Record

Priority

Field ID (Mnemonic)	1.006 (PRY)		
Description	This optional field shall contain a single information character to designate the urgency with which a response is desired.		
Remarks	See the specific Application Profile for any defaults that may apply.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	DoD ABIS: 1 <= PRY <= 4		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	1.001 (LEN)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Depending Upon Encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transaction Content

Type-1 Transaction Information Record

Transaction Content

Field ID (Mnemonic)	1.003 (CNT)		
Description	This mandatory field shall list and identify each of the records in the transaction by record type and its IDC value. It also specifies the order in which the remaining records shall appear in the file. It shall consist of two or more subfields. The first subfield shall relate to this Type-1 record. Each of the remaining subfields corresponds to a single Type-2 through Type-99 record contained in the transaction.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	File Content	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

First Record Category Code

Field ID (Mnemonic)	1.003_1a (FRC)		
Description	The first information item (record category code / REC) within the first subfield shall be "1". This indicates that the first record in the transaction is a Type-1 record consisting of header information.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	REC = 1		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-1 Transaction Information Record

Transaction Content

Content Record Count

Field ID (Mnemonic)	1.003_1b (CRC)		
Description	The second information item of the first subfield of Field 1.003 File Content shall be the sum of the Type-2 through Type-99 logical records contained in this file. This number is also equal to the count of the remaining subfields of Field 1.003. The maximum value for CRC is 999.		
Remarks			
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	Subfield Count	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	CRC = count of record types 2 through 99; min = 1; max = 999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Category Code

Field ID (Mnemonic)	1.003_2a (REC)		
Description	The first information item of the second and remaining subfields of Field 1.003 File Content shall be the record identifier character(s) chosen from the look up codes below that identifies the record type approved by DoD EBTS.		
Remarks			
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	Logical Record Type	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	REC = 2, 9, 10, 13, 14, 15, 17, 18, 20, 21, 98 or 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DOD EBTS APPROVED LOGICAL RECORD NUMBER CODES: 1 = Transaction information 2 = User-defined descriptive text 4 = Fingerprint Image (High-Resolution Grayscale - Deprecated, EBTS 1.2 Only) 7 = Latent Image (Binary - Deprecated, EBTS 1.2 only) 9 = Minutiae data 10 = Facial & SMT image 13 = Variable-resolution latent image 14 = Variable-resolution fingerprint image 15 = Variable-resolution palmprint Image 16 = Iris Image (Interim Support - Deprecated, EBTS 1.2 only) 17 = Iris image 20 = Source Representation 21 = Associated Context 18 = DNA Data 99 = CBEFF Biometric data record		

Type-1 Transaction Information Record

Transaction Content

Information Designation Character

Field ID (Mnemonic)	1.003_2b (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 < IDC < 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transaction Control Number

Field ID (Mnemonic)	1.009 (TCN)		
Description	This mandatory field shall contain the Transaction Control Number as assigned by the originating agency. A unique alphanumeric control number shall be assigned to each transaction. For any transaction that requires a response, the respondent shall refer to this number in communicating with the originating agency.		
Remarks	DoD EBTS requires a 40-bytes TCN to contains the 9 characters Originating Agency Identifier (ORI), a Greenwich Mean (a.k.a. Zulu or UTC) date/time stamp (Format YYYYMMDDhhmmss), a 4 characters code for the software used at the point of collection/transmission, a 4 characters software version used at the point of collection/transmission, and a 5 characters random or sequential alphanumeric string. A hyphen separates each of these values.		
Format	<ORI>-<GMT>-<Software Name/Code>-<Software Version>-<Random/Sequential Alpha-Numeric Code>	Source	ANSI/NIST ITL 1-2011 (Type-1), BIMA-STB-STD-11-001
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	40 to 40	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	See Format		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transaction Control Reference

Type-1 Transaction Information Record

Transaction Control Reference

Field ID (Mnemonic)	1.010 (TCR)		
Description	This optional field shall be used for responses that refer to the TCN of a previous transaction involving an inquiry or other action that required a response.		
Remarks	n/a		
Format	See 1.009 TCN	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	40 to 40	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type of Transaction

Field ID (Mnemonic)	1.004 (TOT)		
Description	This mandatory field shall contain an identifier, which designates the type of transaction and subsequent processing that this file should be given.		
Remarks	The TOT shall be in accordance with definitions provided by the Domain and/or Application Profile.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 16	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	See the specific Domain and/or Application Profile referenced.		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Version Number

Type-1 Transaction Information Record

Version Number

Field ID (Mnemonic)	1.002 (VER)		
Description	This mandatory four-character ASCII value shall be used to specify the current version number of the standard implemented by the software or system creating the transaction.		
Remarks	The format of this field shall consist of four numeric characters. The first two characters shall specify the major version number. The last two characters shall be used to specify the minor revision number.		
Format	####	Source	ANSI/NIST ITL 1-2011 (Type-1)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	VER = 0500		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Application Number (Emerging)

Field ID (Mnemonic)	2.8518 (ACC_APP_NUM)		
Description	The unique identifier for an application to obtain access to a facility or base.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	16 to 16	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location (Emerging)

Field ID (Mnemonic)	2.8515 (ACC_LOC)		
Description	Specifies the location for access. The set consists of the Location Name, Address Value Type, Address Value, Latitude (Degree/Minute/Second), Longitude (Degree/Minute/Second) and Location Description.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Base Access Approved Location	DoD EBTS 1.2	No
Num Info Items	12	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

Location Name (Emerging)

Field ID (Mnemonic)	2.8515_1 (ACC_LOC_NAME)		
Description	The name of a geographical location. (e.g. Fort Belvoir)		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 250	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

City (Emerging)

Field ID (Mnemonic)	2.8515_2 (ACC_LOC_CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code (Emerging)

Field ID (Mnemonic)	2.8515_2 (ACC_LOC_CNTRY_CD)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

State / Province (Emerging)

Field ID (Mnemonic)	2.8515_3 (ACC_LOC_STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Village (Emerging)

Field ID (Mnemonic)	2.8515_3 (ACC_LOC_VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

UNCLASSIFIED

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

Latitude Degree (Emerging)

Field ID (Mnemonic)	2.8515_6 (ACC_LOC_GEO_CORD_LAT_DEG)		
Description	This field contains the latitude at which the submission was collected. The data is in degrees in the range +90 to -90. The plus sign may be omitted. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Latitude Degree	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Hyphen,Period,Plus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_02 (LTD) or xx.998_2 (LTD)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Minute (Emerging)

Field ID (Mnemonic)	2.8515_7 (ACC_LOC_GEO_CORD_LAT_MIN)		
Description	This field contains the geographic location latitude. The data is in minutes in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Latitude Minute	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_03 (LTM) or xx.998_3 (LTM)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

Latitude Second (Emerging)

Field ID (Mnemonic)	2.8515_8 (ACC_LOC_GEO_CORD_LAT_SEC)		
Description	This field contains the geographic location latitude. The data is in seconds in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Latitude Second	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_04 (LTS) or xx.998_4 (LTS)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Degree (Emerging)

Field ID (Mnemonic)	2.8515_9 (ACC_LOC_GEO_CORD_LONG_DEG)		
Description	This field contains the geographic location longitude. The data is in the range of +180 to -180. The plus sign may be omitted. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Longitude Degree	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Period,Plus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_05 (LGD) or xx.998_5 (LGD)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

Longitude Minute (Emerging)

Field ID (Mnemonic)	2.8515_10 (ACC_LOC_GEO_CORD_LONG_MIN)		
Description	This field contains the geographic location longitude. The data is in minutes in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Longitude Minute	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_6 (LGM) or xx.998_6 (LGM)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Second (Emerging)

Field ID (Mnemonic)	2.8515_11 (ACC_LOC_GEO_CORD_LONG_SEC)		
Description	This field contains the geographic location latitude. The data is in seconds in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Geographic Coordinate Longitude Second	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_07 (LGS) or xx.998_7 (LGS)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location (Emerging)

Location Description (Emerging)

Field ID (Mnemonic)	2.8515_12 (ACC_LOC_DESC)		
Description	The textual description of a location.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Airport Installation Permission (Emerging)

Field ID (Mnemonic)	2.8510 (ACC_LOC_APT_PERM)		
Description	The subject's level of airport installation access. The set consists of the airport installation type, the force protection condition and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Airport Installation Permission (Emerging)

Access Location Airport Installation Category Code (Emerging)

Field ID (Mnemonic)	2.8510_1 (ACC_LOC_APT_PERM_APT_LOC_TYP)		
Description	The type of airport installation at an access location.		
Remarks	n/a		
Format	n/a	**Source**	Developed for Base Access capability. Pending approval.
Previous DDE Name	Approved Installation Access	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 7	**DoD EBTS 3.0**	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	AIRPORT INSTALLATION CODES:
	  ALL = Access All Areas
	  AIR = Airfield Areas
	  ATC = ATC Office Areas
	  PTO = Passenger Terminal Offices
	  CARGO = Cargo Area
	  CMP = Companies
	  TERM1 = Terminal Sterile Area 1
	  TERM2 = Terminal Sterile Area 2
	  VIP = VIP
	  VIPLANE = VIP Lane at ECP ONE		

Type-2 User-Defined Descriptive Text Record

Access Location Airport Installation Permission (Emerging)

Force Protection Condition Code (Emerging)

Field ID (Mnemonic)	2.8510_2 (ACC_LOC_APT_PERM_FP_CD)		
Description	A DoD-approved system standardizing DoD's identification of and recommended preventive actions and responses to terrorist threats against U.S. personnel and facilities. The system is the principal means for a commander to apply an operational decision on how to protect against terrorism and facilitates coordination among DoD Components and support for antiterrorism activities.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval. Codes are source from DoD Instructions 2000.17.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	11 to 13	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Blank		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FORCE PROTECTION CONDITION CODES: FPCON NORMAL = Applies when a general global threat of possible terrorist activity exists and warrants a routine security posture. At a minimum, access control will be conducted at all DoD installations and facilities. FPCON ALPHA = Applies when there is an increased general threat of possible terrorist activity against personnel or facilities, and the nature and extent of the threat are unpredictable. ALPHA measures must be capable of being maintained indefinitely. FPCON BRAVO = Applies when an increased or more predictable threat of terrorist activity exists. Sustaining BRAVO measures for a prolonged period may affect operational capability and military-civil relationships with local authorities. FPCON CHARLIE = Applies when an incident occurs or intelligence is received indicating some form of terrorist action or targeting against personnel or facility is likely. Prolonged implementation of CHARLIE measures may create hardship and affect the activities of the unit and its personnel. FPCON DELTA = Applies in the immediate area where a terrorist attack has occurred or when intelligence has been received that terrorist action against a specific location or person is imminent. This FPCON is usually declared as a localized condition. FPCON DELTA measures are not intended to be sustained for an extended duration.		

Type-2 User-Defined Descriptive Text Record

Access Location Airport Installation Permission (Emerging)

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8510_3 (ACC_LOC_APT_PERM_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	AUTHORITY APPROVAL STATUS CODES:
	  RA-REC = Recommending Authority Recommended
	  AA-APP = Approving Authority Approved
	  SP-SPN = Sponsoring Authority Sponsored		

Access Location Badge (Emerging)

Field ID (Mnemonic)	2.8509 (BADGE)		
Description	The subject's badge for an access location (s). The set consists of the badge number, badge color code, badge status code, issue date, expiration date, issuance organization, and issuance office.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Badge (Emerging)

Access Location Badge Number (Emerging)

Field ID (Mnemonic)	2.8509_1 (BADGE_NUM)		
Description	The designated number on the badge.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Badge Color Code (Emerging)

Field ID (Mnemonic)	2.8509_2 (BADGE_CLR_CD)		
Description	The badge color assigned to subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Approved Badge Color	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BADGE COLOR CODES: BLU = Blue BRO = Brown ONG = Orange GRN = Green RED = Red YEL = Yellow PLE = Purple		

Type-2 User-Defined Descriptive Text Record

Access Location Badge (Emerging)

Access Location Badge Status Code (Emerging)

Field ID (Mnemonic)	2.8509_3 (BADGE_STAT_CD)		
Description	The status of an identification badge, such as valid, replaced, expired.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Badge Status	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BADGE STATUS CODES:
	  O = Original
	  R = Reissue/Replacement
	  E = Reissue for Errors		

Access Location Badge Issue Date (Emerging)

Field ID (Mnemonic)	2.8509_4 (BADGE_ISSDT)		
Description	The date the badge was issued.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Badge (Emerging)

Access Location Badge Expiration Date (Emerging)

Field ID (Mnemonic)	2.8509_5 (BADGE_EXPDT)		
Description	A date after which the badge is no longer valid.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Badge Issuance Organization Name (Emerging)

Field ID (Mnemonic)	2.8509_6 (BADGE_ISSORG)		
Description	The name of the organization or system that issued the badge.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Badge (Emerging)

Access Location Badge Issuance Office Name (Emerging)

Field ID (Mnemonic)	2.8509_7 (BADGE_ISSOFF)		
Description	A location or branch name for the office or system which issued the badge.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Badge Color (Emerging)

Field ID (Mnemonic)	2.8502 (BADGE_CLR)		
Description	The subject's level of badge color. The set consists of the badge color and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Badge Color (Emerging)

Access Location Badge Color Code (Emerging)

Field ID (Mnemonic)	2.8502_1 (BADGE_CLR_CD)		
Description	The badge color assigned to subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Approved Badge Color	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BADGE COLOR CODES: BLU = Blue BRO = Brown ONG = Orange GRN = Green RED = Red YEL = Yellow PLE = Purple		

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8502_2 (BADGE_CLR_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	AUTHORITY APPROVAL STATUS CODES: RA-REC = Recommending Authority Recommended AA-APP = Approving Authority Approved SP-SPN = Sponsoring Authority Sponsored		

Access Location Badge Replacement (Emerging)

Type-2 User-Defined Descriptive Text Record

Access Location Badge Replacement (Emerging)

Field ID (Mnemonic)	2.8513 (BADGE_RPL)		
Description	The subject's badge replacement information. The set contains the replacement reason code and the badge number that is being replaced.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Badge Replacement Reason Code (Emerging)

Field ID (Mnemonic)	2.8513_1 (BADGE_RPL_REASON_CD)		
Description	The code indicating the reason the badge is being replaced.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BADGE REPLACEMENT REASON CODES: E = Error L = Lost D = Damaged X = Expired O = Other		

Type-2 User-Defined Descriptive Text Record

Access Location Badge Replacement (Emerging)

Access Location Replaced Badge Number (Emerging)

Field ID (Mnemonic)	2.8513_2 (BADGE_RPL_BADGE_NUM)		
Description	The number of the badge being replaced.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Expiration (Emerging)

Field ID (Mnemonic)	2.8516 (ACC_LOC_EXP)		
Description	The subject's expiration for the access location. The set is comprised of 2 information items: Access Location Expiration Date and Authority Approval Status Code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Expiration (Emerging)

Access Location Expiration Date (Emerging)

Field ID (Mnemonic)	2.8516_1 (ACC_LOC_EXPDT)		
Description	The subject's assigned expiration date for the access location.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Permission Expiration Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8516_2 (ACC_LOC_EXP_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	AUTHORITY APPROVAL STATUS CODES:
	  RA-REC = Recommending Authority Recommended
	  AA-APP = Approving Authority Approved
	  SP-SPN = Sponsoring Authority Sponsored		

Access Location Facility Permission (Emerging)

Type-2 User-Defined Descriptive Text Record

Access Location Facility Permission (Emerging)

Field ID (Mnemonic)	2.8517 (ACC_LOC_PAC_PERM)		
Description	The subject's level of facility access. The set consists of the facility type, the force protection condition and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Access Location Facility Category Code (Emerging)

Field ID (Mnemonic)	2.8517_1 (ACC_LOC_PAC_PERM_FAC_TYP)		
Description	The types of facility at an access location.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FACILITY CODES:
	  DFAC = Dining Facility
	  GYM = Gymnasium
	  BILLET = Soldier's Living Quarters
	  PX = Military Post Store
	  MWR = Morale, Welfare and Recreation Facility
	  MED = Medical Facility		

Type-2 User-Defined Descriptive Text Record

Access Location Facility Permission (Emerging)

Force Protection Condition Code (Emerging)

Field ID (Mnemonic)	2.8517_2 (ACC_LOC_PAC_PERM_FP_CD)		
Description	A DoD-approved system standardizing DoD's identification of and recommended preventive actions and responses to terrorist threats against U.S. personnel and facilities. The system is the principal means for a commander to apply an operational decision on how to protect against terrorism and facilitates coordination among DoD Components and support for antiterrorism activities.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval. Codes are source from DoD Instructions 2000.17.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	11 to 13	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Blank		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FORCE PROTECTION CONDITION CODES:
	  FPCON NORMAL = Applies when a general global threat of possible terrorist activity exists and warrants a routine security posture. At a minimum, access control will be conducted at all DoD installations and facilities.
	  FPCON ALPHA = Applies when there is an increased general threat of possible terrorist activity against personnel or facilities, and the nature and extent of the threat are unpredictable. ALPHA measures must be capable of being maintained indefinitely.
	  FPCON BRAVO = Applies when an increased or more predictable threat of terrorist activity exists. Sustaining BRAVO measures for a prolonged period may affect operational capability and military-civil relationships with local authorities.
	  FPCON CHARLIE = Applies when an incident occurs or intelligence is received indicating some form of terrorist action or targeting against personnel or facility is likely. Prolonged implementation of CHARLIE measures may create hardship and affect the activities of the unit and its personnel.
	  FPCON DELTA = Applies in the immediate area where a terrorist attack has occurred or when intelligence has been received that terrorist action against a specific location or person is imminent. This FPCON is usually declared as a localized condition. FPCON DELTA measures are not intended to be sustained for an extended duration.		

Type-2 User-Defined Descriptive Text Record

Access Location Facility Permission (Emerging)

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8517_3 (ACC_LOC_PAC_PERM_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	XX-YYY where XX is the authority and YYY is the status code	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	AUTHORITY APPROVAL STATUS CODES: 　RA-REC = Recommending Authority Recommended 　AA-APP = Approving Authority Approved 　SP-SPN = Sponsoring Authority Sponsored		

Access Location Privilege (Emerging)

Field ID (Mnemonic)	2.8514 (ACC_LOC_PRV)		
Description	The subject's level of access privileges. The set consists of the privilege type, the privilege value, the force protection condition and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Privilege (Emerging)

Access Location Privilege Category Code (Emerging)

Field ID (Mnemonic)	2.8514_1 (ACC_LOC_PRV_TYP)		
Description	The type of privilege allowed at an access location.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ACCESS LOCATION PRIVILEGE CODES:
	  EP = Escort Privilege
	  ER = Escort Required
	  LA = Lane Access
	  PS = Personal Search
	  VS = Vehicle Search
	  WC = Weapon Card Required
	  CP = Cell Phone Access		

Access Location Privilege Value (Emerging)

Field ID (Mnemonic)	2.8514_2 (ACC_LOC_PRV_VAL)		
Description	The value of the assigned privilege.		
Remarks	e.g. When the Access Location Privilege Category Code = LA for Lane Access, the value might be 'Military' or 'Priority' or 'Regular'		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Privilege (Emerging)

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8514_4 (ACC_LOC_PRV_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	AUTHORITY APPROVAL STATUS CODES:
	  RA-REC = Recommending Authority Recommended
	  AA-APP = Approving Authority Approved
	  SP-SPN = Sponsoring Authority Sponsored		

Access Location Required Day of the Week (Emerging)

Field ID (Mnemonic)	2.8512 (ACC_LOC_WKDAY)		
Description	The subject's level of the days of week access is required for a location. The set consists of the weekday(s) access is required and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Days of the Week Access Required	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Required Day of the Week (Emerging)

Weekday Number (Emerging)

Field ID (Mnemonic)	2.8512_1 (ACC_LOC_WKDAY_NUM)		
Description	The weekday number, from 1 through 7, beginning with Monday and ending with Sunday.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8512_2 (ACC_LOC_WKDAY_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	AUTHORITY APPROVAL STATUS CODES: 　RA-REC = Recommending Authority Recommended 　AA-APP = Approving Authority Approved 　SP-SPN = Sponsoring Authority Sponsored		

Access Location Required Month (Emerging)

Type-2 User-Defined Descriptive Text Record

Access Location Required Month (Emerging)

Field ID (Mnemonic)	2.8511 (ACC_LOC_MONTH)		
Description	The subject's level of the months access is required for a location. The set consists of the months the access is required and the authority approval status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Months Access Required	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Month Number (Emerging)

Field ID (Mnemonic)	2.8511_1 (ACC_LOC_MONTH_VAL)		
Description	A two-digit month of the year, 01 through 12.		
Remarks	n/a		
Format	MM - 2 digit month	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Month Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Access Location Required Month (Emerging)

Authority Approval Status Code (Emerging)

Field ID (Mnemonic)	2.8511_2 (ACC_LOC_MONTH_AUTH_CD)		
Description	The level of the authority and approval status obtained.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	No
Char Types	AS		
Special Chars	Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	AUTHORITY APPROVAL STATUS CODES: RA-REC = Recommending Authority Recommended AA-APP = Approving Authority Approved SP-SPN = Sponsoring Authority Sponsored		

Action to be Taken

Field ID (Mnemonic)	2.071 (ACN)		
Description	This field is used to include text answers to submission requests to indicate that a latent case will be established or to indicate recommendations for further actions in either latent or tenprint responses. This field will also be used to indicate action taken by the FBI in response to electronic document (e.g., disposition) submissions. For the native encoding of this field, commas, hyphens, ampersands, slashes, number signs, and blanks are all allowed as special characters.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Action to be Taken	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	0 to 300	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Ampersand,Backward Slash,Blank,Comma,Forward Slash,Hyphen,Number Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Additional Response (Emerging)

Type-2 User-Defined Descriptive Text Record

Additional Response (Emerging)

Field ID (Mnemonic)	2.8206 (ARSP)		
Description	This set of fields shall be used in responses when an additional repository has been searched. It contains information received from the repository that generated an additional response. Multiple repositories may be searched, therefore multiple occurrences of this field shall be allowed. It consists of Response Source, Response Result, Response Identifier, and Response Rap Sheet.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Additional Response (Emerging)

Name of Designated Repository (Emerging)

Field ID (Mnemonic)	2.8206_1 (NDR)		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	This field identifies the repository that generated the additional response.		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DESIGNATED REPOSITORY NAME CODES: 1 = FBI Criminal Master File Records 2 = FBI Civil Records 3 = FBI Unsolved Latent File 4 = FBI Major Case File Records 5 = FBI Latent Image File Records 6 = FBI Repository for Individuals of Special Concern (RISC) 7 = Canada Real Time Identification (RTID) 8 = DoD Automated Biometric Identification System (ABIS) 9 = DHS IDENT/US-VISIT 10 = International Terrorist File (ITF) Participants 11 = RISC Wants and Warrants (W&W) 12 = RISC Sexual Offender Registry (SOR) 13 = RISC Known and Suspected Terrorist (KST) 14 = RISC International Terrorist File (ITF) 15 = RISC Persons of Special Interest (Other) 16 – 19 = Reserved for FBI Future Use 20 - 50 = Reserved for Department of Defense 51 - 100 = Reserved for FBI Future Use 101-125 = FBI Special Population Cognizant Files 126-135 = Other Federal Organization Special Population Cognizant Files 136 - 199 = Reserved for FBI Future Use 200 - 399 = Reserved for State/Local System 400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Additional Response (Emerging)

Additional Response Result Code (Emerging)

Field ID (Mnemonic)	2.8206_2 (RSLTCD)		
Description	This field contains the result generated by the repository that generated the additional response.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	Additional Response Result	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	RESPONSE RESULT CODES:
	  I = Identified
	  N = Non-Identified
	  E = Error		

Additional Response Identifier Category Code (Emerging)

Field ID (Mnemonic)	2.8206_3 (ARIDCATCD)		
Description	The category of the additional response identification such as DoD Number, FBI Number, etc.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	REPOSITORY IDENTIFICATION CATEGORY CODES:
	  DOD = DoD Number
	  FBI = FBI Number		

Type-2 User-Defined Descriptive Text Record

Additional Response (Emerging)

Additional Response Identifier (Emerging)

Field ID (Mnemonic)	2.8206_4 (ARID)		
Description	This conditional field shall contain the unique identifier used (or generated) by the repository that generated the additional response.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Additional Response Rap Sheet (Emerging)

Field ID (Mnemonic)	2.8206_5 (ERS)		
Description	This conditional field contains the electronic rap sheet generated by the Secondary Search Repository in the case of an Ident. In the case of an error, this field shall contain the error message returned by the repository that generated the additional response.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 200,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

AFIS Segment Control Number

Type-2 User-Defined Descriptive Text Record

AFIS Segment Control Number

Field ID (Mnemonic)	2.086 (SCNA)		
Description	This field contains an alphanumeric identifier used by the NGI AFIS/FBI to allow tracking of or referencing specific unsolved latent records. It is used, for example, to indicate the index number for individual records in the CJIS Unsolved Latent File in the response to a Latent Search. This field will contain the UCN of the Unsolved Latent File where designated in the message definition.		
Remarks	It is used, for example, to indicate the index number for individual records in the IAFIS Unsolved Latent File in the response to a Remote Latent Search. It is also used to refer to transactions that contained searches for the purpose of status queries, modifications, or cancellations.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Age (Deprecated)

Field ID (Mnemonic)	2.332 (AGE)		
Description	This optional field contains the subject's exact age. Field 2.332 shall be used when the person's exact age is known; otherwise an age range shall be given in field 2.023 (as defined in the EFTS).		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8003 SUBJ_BIRTHDATE; 2.8003_1 DOB; 28003_2 DATEVLD (DOC=Documented); 2.8003_3 CALTYP (G=Gregorian is default)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Age Range (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Age Range (Legacy Derivable)

Field ID (Mnemonic)	2.023 (AGR)		
Description	An estimated age range may be entered using a pair of two-digit numbers. The first two digits shall represent the minimum age, and the second two the maximum. There shall be no separator character used between the ages.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 4	DoD EBTS 3.0	Derivable
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8003 SUBJ_BIRTHDATE; 1st subfield to specify the min date: 2.8003_1 DOB; 2.8003_2 DATEVLD (EST = Estimate); 2.8003_3 CALTYP (G = Gregorian); repeat for the 2nd subfield to specify max date.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Alert

Field ID (Mnemonic)	2.350 (ALERT)		
Description	This field contains alert information that will be used in the case where a new submission into the system results in an IDENTED response against the submission containing the alert data. This field contains five information items and all five must be completed if this field is used. It consists of Alert Function, Alert Category, Alert Value, Alert Contact and Alert Detail.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Alert

Alert Function

Field ID (Mnemonic)	2.350_1 (ALERT_FUN)		
Description	An Indication of whether the alert on a biometric subject is currently set ON or OFF.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALERT FUNCTION CODES:
	  0 = Off
	  1 = On		

Alert Category

Field ID (Mnemonic)	2.350_2 (ALERT_CAT)		
Description	The alert category assigned to a biometric subject indicating what action, if any, should be taken regarding the biometric subject if he/she is encountered.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALERT CATEGORY CODES:
	  1 = Detain - known or suspected terrorist - DoD watchlist
	  2 = Detain - known or suspected terrorist - U.S. government watchlist
	  3 = Detain - known or suspected terrorist - other country watchlist
	  4 = Detain - individual of interest to U.S. or coalition forces
	  5 = Detain - known or suspected criminal
	  6 = No U.S. or coalition base access
	  7 = Interview but do not detain
	  8 = Detain but do not interview
	  9 = Do not detain or interview		

Type-2 User-Defined Descriptive Text Record

Alert

Alert Value

Field ID (Mnemonic)	2.350_3 (ALERT_VAL)		
Description	The level of interest in a given biometric subject who has been flagged for alert.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALERT VALUE CODES:
	  1 = None
	  2 = Low Value
	  3 = Medium Value
	  4 = High Value		

Alert Contact

Field ID (Mnemonic)	2.350_4 (ALERT_CONTACT)		
Description	The agency and individual contact reference responsible for establishing the alert.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 80	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Alert

Alert Detail

Field ID (Mnemonic)	2.350_5 (ALERT_DETAIL)		
Description	Special handling instructions or other information about the individual identified in an alert.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Aliases (Legacy Derivable)

Field ID (Mnemonic)	2.019 (AKA)		
Description	This 3-to-30 alpha-numeric special (ANS) field contains alias names of the subject. Up to ten aliases may be provided, separated from one another by the <R S> character. AKA may contain a comma, hyphen, or blank as special characters. The format shall be the surname followed by a comma (,), followed by the given name(s) separated by a space. The following restrictions and exceptions to the general format apply: 1. Minimum length is three bytes in the following sequence: alpha or ampersand, comma, alpha. 2. A comma must be followed by the minimum of one alpha character. 3. Blank before or after comma is invalid. 4. Hyphen in first and last position of any name segment is invalid. 5. Two consecutive blanks or hyphens between characters are invalid.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 30	DoD EBTS 3.0	Derivable
Char Types	ANS		
Special Chars	Ampersand,Blank,Comma,Hyphen		
Value Constraints	n/a		
Legacy Derivable	2.8026 SUBJ_AKA with 2.8026_1 NAMCATCD (AKA = Alias); 2.8026_2 NAM1 + ',' + 2.8026_3 NAM2 + ' ' + 2.8026_4 NAM3 (Truncate to first 30 characters).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Amputated or Bandaged [Type-2]

Type-2 User-Defined Descriptive Text Record

Amputated or Bandaged [Type-2]

Field ID (Mnemonic)	2.084 (AMP)		
Description	This repeating field contains information about amputated or bandaged fingerprints in a submission. The field is composed of repeating sets of two subfields: Finger Position (FGP) Amputated Or Bandaged Code (AMPCD). This field is to be used any time there are fewer than ten printable fingers in a tenprint submission for finger positions 1 – 10 or positions 11–15 to specify when no slap fingerprint images are provided in the finger positions (ex. Entire right hand is not printed). A partially amputated finger should be printed and be marked amputated, XX. If the finger's image is missing for any reason, (for example, when the arresting agency did not specify a reason in its submission to the State Identification Bureau) the UP code should be used. This field is used to tell repository which finger positions need to characterized. The UP code should only be used when the entire image is not provided for fingerprints in the submission. This code will indicate that the repository should ignore this image and not include the image in the matching process.		
	For the native encoding, the two-character finger position code is followed by the US separator and the amputated or bandaged code. Each set of fingers/amp codes shall be separated by the RS separator.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Biometric Subject Finger Amputated or Bandaged	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Amputated or Bandaged [Type-2]

Finger Position Code

Field ID (Mnemonic)	2.084A (FGP)		
Description	The two-character finger position code.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	01 <= FGP <= 15		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT TEN FINGER NUMBER CODES: 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs		

Amputated or Bandaged Code

Field ID (Mnemonic)	2.084B (AMPCD)		
Description	This information item provides the code that describes the reason the finger's image is missing.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT MISSING REASON CODES: UP = Unable to print (e.g., bandaged) XX = Partial print due to amputation		

Arrest Segment Literal

Type-2 User-Defined Descriptive Text Record

Arrest Segment Literal

Field ID (Mnemonic)	2.047 (ASL)		

Description	This field is made up of the following subfields:
	  Date of Offense (DOO)
	  Arrest Offense Literal (AOL).		

Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date of Offense

Field ID (Mnemonic)	2.047A (DOO)		
Description	The DOO shall appear as an eight-digit number. The DOO shall not exceed the current date except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone. This date field shall contain the local date for the region submitting the request. CJIS has edit checks in place to allow for the acceptance of the local date as valid up to 24 hours in advance to accommodate the variance between international time zones.		
Remarks	n/a		
Format	YYYYMMDD	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Arrest Segment Literal

Arrest Offense Literal

Field ID (Mnemonic)	2.047B (AOL)		
Description	a free text description of an offense charged on an arrest. The first character of the AOL text must not be blank. Each AOL should have a corresponding DOO.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 300	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associate's Name (Deprecated)

Field ID (Mnemonic)	2.331 (ASSOCIATES_NAME)		
Description	This optional field contains the subject's Associate's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX; 2.8038_2 IASSOC_ROLE (7=Associate); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Attention Indicator

Type-2 User-Defined Descriptive Text Record

Attention Indicator

Field ID (Mnemonic)	2.006 (ATN)		
Description	This alphanumeric-special field shall contain a designation of the individual to whose attention a response is to be directed. Periods shall not be used (e.g., Det. J. Q. Public shall be entered as DET J Q PUBLIC). The value of ATN returned to the submitter is the value submitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 30	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Audit Trail Record

Field ID (Mnemonic)	2.2032 (ATR)		
Description	This repeating record contains the information associated with the dissemination of the owner's images. The following are the subfields included for each requested image: 1) ORI of the originator that received the image, 2) Date the images were disseminated, 3) TOT used to acquire the image set, 4) BSI of the image, 5) IMT of the image, 6) FNR of the image (supports fingerprint and palmprint position codes), 7) PPD of the supplemental image when FNR equals supplemental (19). The FNR and PPD subfields are present in ATR to identify the image within the biometric set that was disseminated when the entire set was not returned.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Audit Trail Record

Originating Agency Identifier

Field ID (Mnemonic)	2.2032A (ORI)		
Description	The origination field shall contain the ORI identifying the agency or organization submitting the transaction.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	9 to 9	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date of Dissemination

Field ID (Mnemonic)	2.2032B (DAT)		
Description	Date the images were disseminated.		
Remarks	n/a		
Format	YYYYMMDD	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Audit Trail Record

TOT of Dissemination

Field ID (Mnemonic)	2.2032C (TOT)		
Description	TOT used to acquire the image set.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 5	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Set Identifier Disseminated

Field ID (Mnemonic)	2.2032D (BSI)		
Description	BSI of the image disseminated.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 24	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Audit Trail Record

Image Type Disseminated

Field ID (Mnemonic)	2.2032E (IMT)		
Description	Type of image disseminated.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IMAGE CODES: 1 = Fingerprint (event) 2 = Lower Joint 3 = Palmprint 4 = Toe Print 5 = Foot Print 6 = Supplemental Print 7 = Latent Friction Ridge 8 = Composite Fingerprint 9 = Photo Facial 10 = Photo Scar, Mark, & Tattoo 11 = Iris 12 = Fingerprints on Front of Palm Card 13 = Fingerprints on Back of Palm Card		

Friction Ridge Position Requested

Field ID (Mnemonic)	2.2032F (FNR)		
Description	The friction ridge number requested.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	Fingerprint and Palmprint position codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-2 User-Defined Descriptive Text Record

Audit Trail Record

Friction Ridge Position Requested

Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm

Type-2 User-Defined Descriptive Text Record

Audit Trail Record

Print Position Descriptors [Type-2, subfield to fields of Type Set]

Field ID (Mnemonic)	2.2032G (PPD)		
Description	This PPD is a subfield to fields of Type Set. This subfield will be present if and only if the subfield Friction ridge Generalized Position code (FGP) or the Friction ridge Number(s) Requested (FNR) code "19" appears in the Set field. These PPD subfields have no subfields (unlike PPD 2.2030). This field shall consist of two mandatory information items. The first is the Probable Decimal finger Position code (0-10) taken from the ANSI/NIST-ITL specification. But for the finger position it must be a two character numeric; implying a leading zero for positions 0 thru 9. The second code information item is the Finger Image Code; it also is taken from the ANSI/NIST-ITL specification to indicate the portion of the EJI or tip image. There may be up to 8 such images for a single finger, but NGI only expects the values of EJI or TIP for Increment 3. Examples of valid values are: 01EJI or 10TIP.		
Remarks	Both the probable decimal friction ridge code and the image code are concatenated into 1 information item without any separator.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	5 to 5	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

BAT Global Unique Identifier

Field ID (Mnemonic)	2.300 (GUID)		
Description	This optional field shall contain the Biometrics Automated Toolset (BAT) Global Unique Identifier (GUID) as assigned to the subject by the BAT.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	36 to 38	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Image Available

Type-2 User-Defined Descriptive Text Record

Biometric Image Available

Field ID (Mnemonic)	2.2031 (BIA)		
Description	This field will indicate the existence of available biometric images (fingerprint, palmprint, supplemental print, facial photo, and SMT photo) for an Identity in the NGI AFIS/FBI repository. Allowable BIA values are shown in the table below. The following abbreviations are used in the table for each image type: FP – Fingerprint, PP – Palmprint, SP – Supplemental Print, PHF – Photo Facial, and PSMT – Photo Scar, Mark, & Tattoo.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	0 <= BIA <= 31; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FBI BIOMETRIC IMAGE AVAILABLE CODES: 0 = None 1 = FP 2 = PP 3 = FP, PP 4 = SP 5 = FP, SP 6 = PP, SP 7 = FP, PP, SP 8 = PHF 9 = FP, PHF 10 = PP, PHF 11 = FP, PP, PHF 12 = SP, PHF 13 = FP, SP, PHF 14 = PP, SP, PHF 15 = FP, PP, SP, PHF 16 = PSMT 17 = FP, PSMT 18 = PP, PSMT 19 = FP, PP, PSMT 20 = SP, PSMT 21 = FP, SP, PSMT 22 = PP, SP, PSMT 23 = FP, PP, SP, PSMT 24 = PHF, PSMT 25 = FP, PHF, PSMT 26 = PP, PHF, PSMT 27 = FP, PP, PHF, PSMT 28 = SP, PHF, PSMT 29 = FP, SP, PHF, PSMT 30 = PP, SP, PHF, PSMT 31 = FP, PP, SP, PHF, PSMT		

Biometric Image Description

Type-2 User-Defined Descriptive Text Record

Biometric Image Description

Field ID (Mnemonic)	2.2028 (BID)		
Description	This repeating set contains information about biometric images the user is requestsing in the submission. Each repeating set consists of the following subfields: 1. UCN of the identity or latent record, 2. IMT image type of the image to be retrieved, 3. BSI of the biometric set to be retrieved, 4. FNR is the fingerprint or palmprint position code of the image to be retrieved, 5. PPD of the supplemental image to be retrieved when FNR equals supplemental (19), allowable values of: EJI, TIP, FV1, FV2, FV3 or FV4, PRX, DST and MED.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

FBI Number/UCN

Field ID (Mnemonic)	2.2028A (FBI/UCN)		
Description	The FBI or UCN number assigned by FBI.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Image Description

Image Type [Type-2]

Field ID (Mnemonic)	2.2028B (IMT)		
Description	This field identifies the type of image (e.g., palmprints, toe prints) included in an electronic submittal. The list of IMT values to be used in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present [is listed in the look up codes below].		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	IMT = 1, 2, 3 or 4; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE CODES:
	  1 = Fingerprint (event)
	  2 = Lower Joint
	  3 = Palmprint
	  4 = Toe Print
	  5 = Foot Print
	  6 = Supplemental Print
	  7 = Latent Friction Ridge
	  8 = Composite Fingerprint
	  9 = Photo Facial
	  10 = Photo Scar, Mark, & Tattoo
	  11 = Iris
	  12 = Fingerprints on Front of Palm Card
	  13 = Fingerprints on Back of Palm Card		

Biometric Set Identifier

Field ID (Mnemonic)	2.2028C (BSI)		
Description	This numeric field will uniquely identify a fingerprint set, palmprint set, or a supplemental print set.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 24	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Position Requested

Field ID (Mnemonic)	2.2028D (FNR)

Type-2 User-Defined Descriptive Text Record

Biometric Image Description

Friction Ridge Position Requested

Description	The friction ridge number requested.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	2 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	fingerprint or palmprint position code		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm		

Type-2 User-Defined Descriptive Text Record

Biometric Image Description

Print Position Descriptors [Type-2, subfield to fields of Type Set]

Field ID (Mnemonic)	2.2028E (PPD)		
Description	This PPD is a subfield to fields of Type Set. This subfield will be present if and only if the subfield Friction ridge Generalized Position code (FGP) or the Friction ridge Number(s) Requested (FNR) code "19" appears in the Set field. These PPD subfields have no subfields (unlike PPD 2.2030). This field shall consist of two mandatory information items. The first is the Probable Decimal finger Position code (0-10) taken from the ANSI/NIST-ITL specification. But for the finger position it must be a two character numeric; implying a leading zero for positions 0 thru 9. The second code information item is the Finger Image Code; it also is taken from the ANSI/NIST-ITL specification to indicate the portion of the EJI or tip image. There may be up to 8 such images for a single finger, but NGI only expects the values of EJI or TIP for Increment 3. Examples of valid values are: 01EJI or 10TIP.		
Remarks	Both the probable decimal friction ridge code and the image code are concatenated into 1 information item without any separator.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	5 to 5	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Modality Available (Emerging)

Field ID (Mnemonic)	TBD		
Description	List the biometric modalities available within a specific designated repository and the identifier assigned to it by the repository if applicable.		
Remarks	Part of a response from a submission or search.		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Available (Emerging)

Modality Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	The type of biometric modality indicated.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MODALITY CODES:
	  FACE = Facial Features
	  VOICE = Voice
	  FINGER = Fingerprint
	  IRIS = Iris
	  DNA = DNA
	  PALM = Palm Print
	  SMT = Scars, Marks and Tattoos
	  DNAPF = DNA Profile
	  ALL = All Available Modality Type		

Modality Sub-Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	A more specific type of the particular biometric modality being referenced.		
Remarks	For example, finger position code is the Modality Sub-Type of Fingerprint Image, the left or right position of the eye is the Biometric Sub-Type of Iris Image, and subject pose code is the Biometric Sub-Type of a Facial Photo Image.		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Available (Emerging)

Modality Sub-Type (Emerging)

Look Up Codes	2-FINGER COMBINATIONS: 　40 = Right index/middle 　41 = Right Middle/Ring 　42 = Right Ring/Little 　43 = Left Index/Middle 　44 = Left Middle/Ring 　45 = Left Ring/Little 　46 = Right index/ Left index 3-FINGER COMBINATIONS: 　47 = Right Index/Middle/Ring 　48 = Right Middle/Ring/Little 　49 = Left Index/Middle/Ring 　50 = Left Middle/Ring/Little FINGER POSITION CODES: 　0 = Unknown Finger 　1 = Right Thumb 　2 = Right Index Finger 　3 = Right Middle Finger 　4 = Right Ring Finger 　5 = Right Little Finger 　6 = Left Thumb 　7 = Left Index Finger 　8 = Left Middle Finger 　9 = Left Ring Finger 　10 = Left little finger 　11 = Plain right thumb 　12 = Plain left thumb 　13 = Plain right four fingers 　14 = Plain left four fingers 　15 = Left & right thumbs 　19 = EJI or tip GENERAL SUB TYPES: 　LEFT = Left 　RIGHT = Right 　ALL = All Available Sub Types 　0 = Unknown PALM CODES: 　20 = Unknown Palm 　21 = Right Full Palm 　22 = Right Writer's Palm 　23 = Left Full Palm 　24 = Left Writer's Palm 　25 = Right Lower Palm 　26 = Right Upper Palm 　27 = Left Lower Palm 　28 = Left Upper Palm 　29 = Right Other 　30 = Left Other 　31 = Right Interdigital 　32 = Right Thenar 　33 = Right Hypothenar 　34 = Left Interdigital 　35 = Left Thenar 　36 = Left Hypothenar

Type-2 User-Defined Descriptive Text Record

Biometric Modality Available (Emerging)

Name of Designated Repository (Emerging)

Field ID (Mnemonic)	TBD		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	This information item indicates the repository where the modality is located.		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DESIGNATED REPOSITORY NAME CODES: 1 = FBI Criminal Master File Records 2 = FBI Civil Records 3 = FBI Unsolved Latent File 4 = FBI Major Case File Records 5 = FBI Latent Image File Records 6 = FBI Repository for Individuals of Special Concern (RISC) 7 = Canada Real Time Identification (RTID) 8 = DoD Automated Biometric Identification System (ABIS) 9 = DHS IDENT/US-VISIT 10 = International Terrorist File (ITF) Participants 11 = RISC Wants and Warrants (W&W) 12 = RISC Sexual Offender Registry (SOR) 13 = RISC Known and Suspected Terrorist (KST) 14 = RISC International Terrorist File (ITF) 15 = RISC Persons of Special Interest (Other) 16 – 19 = Reserved for FBI Future Use 20 - 50 = Reserved for Department of Defense 51 - 100 = Reserved for FBI Future Use 101-125 = FBI Special Population Cognizant Files 126-135 = Other Federal Organization Special Population Cognizant Files 136 - 199 = Reserved for FBI Future Use 200 - 399 = Reserved for State/Local System 400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Available (Emerging)

Modality Location Originating Agency Identifier (Emerging)

Field ID (Mnemonic)	TBD		
Description	The Originating Agency Identifier of the location which has the biometric modality available for the identified biometric subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	9 to 9	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Modality Retrieval Identifier Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	The type of identifier used to retrieve the biometric modality (e.g. TCN, FNU, DOD, SSN, ISN, GUID, etc.) It is up to the Application Profile to determine what the appropriate identifier type(s) should be.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Modality Retrieval Identifier Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MODALITY RETRIEVAL IDENTIFIER CODES:
	  TCN = Transaction Control Number
	  DOD = DoD Number
	  SSN = Social Security Number
	  ISN = Internment Serial Number
	  GUID = BAT GUID
	  FBI = FBI Number		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Available (Emerging)

Modality Retrieval Identifier (Emerging)

Field ID (Mnemonic)	TBD		
Description	The identifier used to retrieve the biometric modality.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Modality Retrieval Identifier Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment (Emerging)

Field ID (Mnemonic)	TBD		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Modality Request (Emerging)

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Field ID (Mnemonic)	TBD		
Description	Specify the biometric modality being requested.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Modality Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	The type of biometric modality indicated.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MODALITY CODES:
	  FACE = Facial Features
	  VOICE = Voice
	  FINGER = Fingerprint
	  IRIS = Iris
	  DNA = DNA
	  PALM = Palm Print
	  SMT = Scars, Marks and Tattoos
	  DNAPF = DNA Profile
	  ALL = All Available Modality Type		

Modality Sub-Type (Emerging)

Field ID (Mnemonic)	TBD
Description	A more specific type of the particular biometric modality being referenced.
Remarks	For example, finger position code is the Modality Sub-Type of Fingerprint Image, the left or right position of the eye is the Biometric Sub-Type of Iris Image, and subject pose code is the Biometric Sub-Type of a Facial Photo Image.

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Modality Sub-Type (Emerging)

Format	n/a	**Source**	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 5	**DoD EBTS 3.0**	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Modality Sub-Type (Emerging)

Look Up Codes	2-FINGER COMBINATIONS: 40 = Right index/middle 41 = Right Middle/Ring 42 = Right Ring/Little 43 = Left Index/Middle 44 = Left Middle/Ring 45 = Left Ring/Little 46 = Right index/ Left index 3-FINGER COMBINATIONS: 47 = Right Index/Middle/Ring 48 = Right Middle/Ring/Little 49 = Left Index/Middle/Ring 50 = Left Middle/Ring/Little FINGER POSITION CODES: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 19 = EJI or tip GENERAL SUB TYPES: LEFT = Left RIGHT = Right ALL = All Available Sub Types 0 = Unknown PALM CODES: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Name of Designated Repository (Emerging)

Field ID (Mnemonic)	TBD		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	This information item indicates the repository where the request for the modality should be submitted to.		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DESIGNATED REPOSITORY NAME CODES: 1 = FBI Criminal Master File Records 2 = FBI Civil Records 3 = FBI Unsolved Latent File 4 = FBI Major Case File Records 5 = FBI Latent Image File Records 6 = FBI Repository for Individuals of Special Concern (RISC) 7 = Canada Real Time Identification (RTID) 8 = DoD Automated Biometric Identification System (ABIS) 9 = DHS IDENT/US-VISIT 10 = International Terrorist File (ITF) Participants 11 = RISC Wants and Warrants (W&W) 12 = RISC Sexual Offender Registry (SOR) 13 = RISC Known and Suspected Terrorist (KST) 14 = RISC International Terrorist File (ITF) 15 = RISC Persons of Special Interest (Other) 16 – 19 = Reserved for FBI Future Use 20 - 50 = Reserved for Department of Defense 51 - 100 = Reserved for FBI Future Use 101-125 = FBI Special Population Cognizant Files 126-135 = Other Federal Organization Special Population Cognizant Files 136 - 199 = Reserved for FBI Future Use 200 - 399 = Reserved for State/Local System 400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Modality Location Originating Agency Identifier (Emerging)

Field ID (Mnemonic)	TBD		
Description	The Originating Agency Identifier of the location which has the biometric modality available for the identified biometric subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	9 to 9	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Modality Retrieval Identifier Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	The type of identifier used to retrieve the biometric modality (e.g. TCN, FNU, DOD, SSN, ISN, GUID, etc.) It is up to the Application Profile to determine what the appropriate identifier type(s) should be.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Modality Retrieval Identifier Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MODALITY RETRIEVAL IDENTIFIER CODES:
	  TCN = Transaction Control Number
	  DOD = DoD Number
	  SSN = Social Security Number
	  ISN = Internment Serial Number
	  GUID = BAT GUID
	  FBI = FBI Number		

Type-2 User-Defined Descriptive Text Record

Biometric Modality Request (Emerging)

Modality Retrieval Identifier (Emerging)

Field ID (Mnemonic)	TBD		
Description	The identifier used to retrieve the biometric modality.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Modality Retrieval Identifier Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Requested Image Quantity (Emerging)

Field ID (Mnemonic)	TBD		
Description	The maximum number of images the requester desires to receive.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Number of Images Requested	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	0 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Set Identifier

Type-2 User-Defined Descriptive Text Record

Biometric Set Identifier

Field ID (Mnemonic)	2.2029 (BSI)		
Description	This numeric field will uniquely identify a fingerprint set, palmprint set, or a supplemental print set.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 24	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Alternate Name

Field ID (Mnemonic)	2.8026 (SUBJ_AKA)		
Description	An alternate name used by the biometric subject.		
Remarks	Can also be used to capture the subject's full maiden name.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	9	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Alternate Name

Person Alternate Name Category Code

Field ID (Mnemonic)	2.8026_1 (NAMCATCD)		
Description	Defines the type of name such as maiden name, nickname, alias.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Name Value Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALTERNATE NAME CATEGORY CODES:
	  AKA = Alias
	  MAID = Maiden
	  NICK = Nickname		

Name - One

Field ID (Mnemonic)	2.8026_2 (NAM1)		
Description	The last name, surname or the family name of the person. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nasab name, a patronymic or series of patronymics.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Alternate Name

Name - Two

Field ID (Mnemonic)	2.8026_3 (NAM2)		
Description	The personal name of a person. It is typically the first name in western culture. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Ism name, the main name of an Arab person; his or her personal name (e.g. "Kareem" or "Fatimah").		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Three

Field ID (Mnemonic)	2.8026_4 (NAM3)		
Description	The middle name of a person. It is placed between the first given name and the surname. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Kunya name, the person's first-born son is used as a substitute for the ism.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Alternate Name

Name - Four

Field ID (Mnemonic)	2.8026_5 (NAM4)		
Description	A name of a person to represent a the fourth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fourth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nisbah name, describes a person's occupation, geographic home area, or descent (tribe, family, etc.).		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Five

Field ID (Mnemonic)	2.8026_6 (NAM5)		
Description	A name of a person to represent a the fifth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fifth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Laqab name, intended as a description of the person. Also can be used for the honorific title.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Alternate Name

Name Validity

Field ID (Mnemonic)	2.8026_7 (NAME_VLD)		
Description	This field defines the validity of the individual's name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NAME VALIDITY CODES: 　DOC　= Documented 　SRT　= Self Reported 　ORT　= Other Reported		

Transliteration Code

Field ID (Mnemonic)	2.8026_8 (TRANSLIT_CD)		
Description	An encoding to transcribe from one alphabet to another.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 6	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	TRANSLITERATION CODES: 　Arabic = Arabic 　Hindi = Hindi 　Urdu = Urdu 　NONE = No Transliteration Applied		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Alternate Name

Comment

Field ID (Mnemonic)	2.8026_9 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Associated Document (Sunset)

Field ID (Mnemonic)	n/a		
Description	A paper or electronic document that is associated with the biometric subject. This document is not used for identification purpose.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Associated documentation should be sent via Type-21 Associated Context Record>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Document (Sunset)

Document Title (Sunset)

Field ID (Mnemonic)	n/a		
Description	A name given to a document.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Associated documentation should be sent via Type-21 Associated Context Record>		
Look Up Codes	n/a		

Document Identifier (Sunset)

Field ID (Mnemonic)	n/a		
Description	The unique identifier for each document.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Associated documentation should be sent via Type-21 Associated Context Record.>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Document (Sunset)

Document Description (Sunset)

Field ID (Mnemonic)	n/a		
Description	A description of the content of a document.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Associated documentation should be sent via Type-21 Associated Context Record.>		
Look Up Codes	n/a		

Biometric Subject Associated Individual

Field ID (Mnemonic)	2.8038 (IASSOC)		
Description	This set of fields identifies the names, gender, roles, address information and contact information of an individual who is associated with the biometric subject.		
Remarks	This field was previously 2.8017 IASSOC in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been restructured and a new Field ID 2.8038 has been assigned in DoD EBTS 3.0. This field continues to support the associated individual gender, role, name, address and contact phone. The associated individual birth date, occupation and comment have been added to the set.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	18	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Associated Individual Gender

Field ID (Mnemonic)	2.8038_1 (IASSOC_SEX)		
Description	This field is used to report the gender of the associated individual. The entry is a single character selected from the [look up codes below].		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GENDER CODES: F = Gender reported as Female G = Occupation or charge indicated Male Impersonator M = Gender reported as Male N = Occupation or charge indicated Female Impersonator or Transvestite Y = Male name, No Gender given Z = Female name, No Gender Given X = Unknown Gender		

Associated Individual Role

Field ID (Mnemonic)	2.8038_2 (IASSOC_ROLE)		
Description	The role of an individual who is affiliated with the biometric subject.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ASSOCIATED INDIVIDUAL ROLE CODES: 0 = Undetermined 1 = Parent 2 = Maternal Grandparent 3 = Paternal Grandparent 4 = Spouse 5 = Child 6 = Sibling 7 = Associate		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Name - One

Field ID (Mnemonic)	2.8038_3 (NAM1)		
Description	The last name, surname or the family name of the person. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nasab name, a patronymic or series of patronymics.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Two

Field ID (Mnemonic)	2.8038_4 (NAM2)		
Description	The personal name of a person. It is typically the first name in western culture. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Ism name, the main name of an Arab person; his or her personal name (e.g. "Kareem" or "Fatimah").		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Name - Three

Field ID (Mnemonic)	2.8038_5 (NAM3)		
Description	The middle name of a person. It is placed between the first given name and the surname. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Kunya name, the person's first-born son is used as a substitute for the ism.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Four

Field ID (Mnemonic)	2.8038_6 (NAM4)		
Description	A name of a person to represent a the fourth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fourth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nisbah name, describes a person's occupation, geographic home area, or descent (tribe, family, etc.).		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Name - Five

Field ID (Mnemonic)	2.8038_7 (NAM5)		
Description	A name of a person to represent a the fifth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fifth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Laqab name, intended as a description of the person.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 1

Field ID (Mnemonic)	2.8038_8 (ADD1)		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Address Line 2

Field ID (Mnemonic)	2.8038_9 (ADD2)		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

City

Field ID (Mnemonic)	2.8038_10 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

State / Province

Field ID (Mnemonic)	2.8038_11 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code

Field ID (Mnemonic)	2.8038_12 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Postal Code

Field ID (Mnemonic)	2.8038_13 (POSTAL)		
Description	Alphanumeric code assigned to groups of addresses by various national postal systems throughout the world.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Village

Field ID (Mnemonic)	2.8038_14 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Phone Number

Field ID (Mnemonic)	2.8038_15 (PHNUM)		
Description	The full telephone number including international country code and area code. Space and hypen are allowed.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Birth Date

Field ID (Mnemonic)	2.8038_16 (DOB)		
Description	The 8 digit calendar date for the person's birth date.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	DateTime Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	8 digit date		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Associated Individual

Occupation

Field ID (Mnemonic)	2.8038_17 (OCP)		
Description	This free-text field contains the person's occupation. The OCP returned in a response is the same as the one submitted.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Occupation	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	2.8038_18 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Birth Date

Type-2 User-Defined Descriptive Text Record

Biometric Subject Birth Date

Field ID (Mnemonic)	2.8003 (SUBJ_BIRTHDATE)		
Description	The biometric subject's complete date of birth.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Birth Date

Field ID (Mnemonic)	2.8003_1 (DOB)		
Description	The 8 digit calendar date for the person's birth date.		
Remarks	Pad any portion of the date with zero's when unknown or not used. For example, 00000000 when the field is mandatory, but the date is unknown. 20100000 when the year is known but month and day are unknown or not used.		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	DateTime Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	8 digit date		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Birth Date

Date Validity

Field ID (Mnemonic)	2.8003_2 (DATEVLD)		
Description	This field defines the validity of the date.		
Remarks	When any part of the date value is padded with zero's, the date validity shall be set to 'EST' for estimated.		
Format	n/a	**Source**	BSWG
Previous DDE Name	DateTime Validity	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 3	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DATE VALIDITY CODES:
	  DOC = Documented
	  EST = Estimated
	  SRT = Self Reported		

Calendar Type

Field ID (Mnemonic)	2.8003_3 (CALTYP)		
Description	The type of calendar the date is being specified in (e.g. Gregorian and Islamic).		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CALENDAR TYPE CODES:
	  G = Gregorian
	  I = Islamic
	  C = Chinese
	  H = Hebrew		

Biometric Subject Birth Location

Type-2 User-Defined Descriptive Text Record

Biometric Subject Birth Location

Field ID (Mnemonic)	2.8033 (SUBJ_POB)		
Description	Information identifying where the biometric subject was born.		
Remarks	This field was previously 2.8004 POB in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previously normalized field has been renamed and restructured. A new Field with ID 2.8033 has been assigned in DoD EBTS 3.0. For all location type field, city, state/province, the ISO 3166-1 Alpha3 country code, village and comment are supported.		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Birth Place	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

City

Field ID (Mnemonic)	2.8033_1 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Birth Location

State / Province

Field ID (Mnemonic)	2.8033_2 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code

Field ID (Mnemonic)	2.8033_3 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Birth Location

Village

Field ID (Mnemonic)	2.8033_4 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	2.8033_5 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Blood Type

Type-2 User-Defined Descriptive Text Record

Biometric Subject Blood Type

Field ID (Mnemonic)	2.8013 (SUBJ_BLOOD)		
Description	The blood type of the biometric subject. It consists of Blood Type Value and Blood Type Validity.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	2	**DoD EBTS 2.0**	Yes
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Blood Type Code

Field ID (Mnemonic)	2.8013_1 (BLTCD)		
Description	The biometric subject's blood type/classification. Notes: Any of the four main types into which human blood is divided: A, B, AB, and O. Blood types are based on the presence or absence of specific antigens on red blood cells. Also called blood group.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	Biometric Subject Blood Type Value	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	4 to 5	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BLOOD TYPE CODES:
	  AUNK = A Unknown
	  BUNK = B Unknown
	  OUNK = O Unknown
	  APOS = A Positive
	  OPOS = O Positive
	  BPOS = B Positive
	  ABPOS = AB Positive
	  ANEG = A Negative
	  ONEG = O Negative
	  BNEG = B Negative
	  ABNEG = AB Negative
	  UNKWN = Unknown
	  ABUNK = AB Unknown		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Blood Type

Blood Type Validity

Field ID (Mnemonic)	2.8013_2 (BLTVLD)		
Description	This field defines the validity of the biometric subject blood type.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Blood Type Validity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BLOOD TYPE VALIDITY CODES:
	  DOC = Documented
	  SRT = Self Reported
	  ORT = Other Reported		

Biometric Subject Body Build (Emerging)

Field ID (Mnemonic)	TBD		
Description	The physique of an individual.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 AP. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BODY BUILD CODES:
	  L = LARGE/HEAVY
	  M = MEDIUM/AVERAGE
	  S = SMALL/SLENDER		

Biometric Subject Citizenship

Type-2 User-Defined Descriptive Text Record

Biometric Subject Citizenship

Field ID (Mnemonic)	2.8007 (SUBJ_CTZ)		
Description	The country of which the biometric subject is a citizen. ISO 3166-1 alpha3 country codes are used.		
Remarks	n/a		
Format		Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 Alpha 3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Biometric Subject Clearance

Field ID (Mnemonic)	2.8021 (SUBJ_CLEAR)		
Description	The set of fields to indicate the biometric subject clearance level and validity.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Clearance

Clearance Code

Field ID (Mnemonic)	2.8021_1 (CLRCD)		
Description	The clearance level that the biometric subject claims to have. This field is not authoritative.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Clearance Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CLEARANCE VALUE CODES:
	  TOP = Top Secret
	  SEC = Secret
	  CNF = Confidential
	  NON = Non-DoD		

Clearance Validity

Field ID (Mnemonic)	2.8021_2 (CLRVLD)		
Description	The state or quality of being valid of the clearance level that the biometric subject claims to hold.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Clearance Validity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CLEARANCE VALIDITY CODES:
	  CLA = Claimed
	  VER = Verified		

Biometric Subject Comment

Type-2 User-Defined Descriptive Text Record

Biometric Subject Comment

Field ID (Mnemonic)	2.8023 (SUBJ_COM)		
Description	The comments or remarks on the biometric subject for which the biometric sample was collected.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 250	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Compartments

Field ID (Mnemonic)	2.8022 (SUBJ_COMPART)		
Description	This set of fields indicates the compartment(s) (the section of information that might bear special community controls and might required restricted handling) that the biometric subject claims or verified to be cleared for.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Compartments

Compartment Description

Field ID (Mnemonic)	2.8022_1 (CMPDESC)		
Description	A freeform text to describe the compartment(s) (or section of information that might bear special community controls and might required restricted handling) that the biometric subject claims to be cleared for.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Compartments Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compartments Validity

Field ID (Mnemonic)	2.8022_2 (CMPVLD)		
Description	The state or quality of being valid for the compartment(s) that the biometric subject claims to hold.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Compartments Validity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	COMPARTMENT VALIDITY CODES: CLA = Claimed VER = Verified		

Biometric Subject Contact Email

Type-2 User-Defined Descriptive Text Record

Biometric Subject Contact Email

Field ID (Mnemonic)	2.8029 (SUBJ_EMAIL)		
Description	The email address of the biometric subject.		
Remarks	This field was previously part of 2.8002 SUBJ_CNTCT in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the subject's email address has been split out into a new Field with ID 2.8029 has been assigned in DoD EBTS 3.0.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 254	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Contact Telephone

Field ID (Mnemonic)	2.8032 (SUBJ_PHONE)		
Description	The telephone number including extension (if available) that you might contact the biometric subject. Different category of telephone number (e.g. cell, home, work, etc.) are supported.		
Remarks	This field was previously part of 2.8002 SUBJ_CNTCT in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the subject's telephone number(s) has been split out into a new Field with ID 2.8032 has been assigned in DoD EBTS 3.0. This field continue to support the various categories of telephone that the subject can be contacted by. The telephone number and extension are supported.		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Contact	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Contact Telephone

Telephone Category Code

Field ID (Mnemonic)	2.8032_1 (PH_TYP)		
Description	The method of contact for the individual (e.g. phone, email).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Contact Mode	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TELEPHONE CATEGORY CODES:
	  HP = Home Phone
	  WP = Work Phone
	  CP = Cell Phone
	  RP = Relative Phone
	  OT = Other
	  FX = Fax
	  PG = Pager
	  PH = Phone		

Phone Number

Field ID (Mnemonic)	2.8032_2 (PHNUM)		
Description	The full telephone number including international country code and area code. Space and hypen are allowed.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Contact Telephone

Phone Extension

Field ID (Mnemonic)	2.8032_3 (PHEXT)		
Description	The number for an additional telephone wired to the same telephone line as another.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Current Residence

Field ID (Mnemonic)	2.8031 (SUBJ_ADDR)		
Description	The address of the current residence of the biometric subject.		
Remarks	This field was previously 2.8001 SUBJ_ADDR in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been restructured and a new Field ID 2.8031 has been assigned in DoD EBTS 3.0. This field continues to support the various part of a street address with ISO 3166 Alpha3 country code. In addition, Village, Neighborhood and Address Validity are also supported.		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Address	DoD EBTS 1.2	No
Num Info Items	9	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Current Residence

Address Line 1

Field ID (Mnemonic)	2.8031_1 (ADD1)		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 2

Field ID (Mnemonic)	2.8031_2 (ADD2)		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Current Residence

City

Field ID (Mnemonic)	2.8031_3 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

State / Province

Field ID (Mnemonic)	2.8031_4 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Current Residence

Country Code

Field ID (Mnemonic)	2.8031_5 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Postal Code

Field ID (Mnemonic)	2.8031_6 (POSTAL)		
Description	Alphanumeric code assigned to groups of addresses by various national postal systems throughout the world.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Current Residence

Neighborhood / District

Field ID (Mnemonic)	2.8031_7 (NEIG)		
Description	A geographically localized community within a larger city, town or suburb.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Village

Field ID (Mnemonic)	2.8031_8 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Current Residence

Address Validity

Field ID (Mnemonic)	2.8031_9 (ADDR_VLD)		
Description	This field defines the validity of the address information.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ADDRESS VALIDITY CODES:
	  DOC = Documented
	  SRT = Self Reported
	  ORT = Other Reported		

Biometric Subject Death Date

Field ID (Mnemonic)	2.8005 (SUBJ_DEATHDATE)		
Description	The biometric subject's complete date of death.		
Remarks	Pad any portion of the date with zero's when unknown or not used. For example, 00000000 when the field is mandatory, but the date is unknown. 20100000 when the year is known but month and day are unknown or not used.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Death Date

Death Date

Field ID (Mnemonic)	2.8005_1 (DOD)		
Description	The 8 digit calendar date for the person's death date.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	8 digit date		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date Validity

Field ID (Mnemonic)	2.8005_2 (DATEVLD)		
Description	This field defines the validity of the date.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	DateTime Validity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DATE VALIDITY CODES:
	  DOC = Documented
	  EST = Estimated
	  SRT = Self Reported		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Death Date

Calendar Type

Field ID (Mnemonic)	2.8005_3 (CALTYP)		
Description	The type of calendar the date is being specified in (e.g. Gregorian and Islamic).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CALENDAR TYPE CODES:
	  G = Gregorian
	  I = Islamic
	  C = Chinese
	  H = Hebrew		

Biometric Subject Death Location

Field ID (Mnemonic)	2.8034 (SUBJ_POD)		
Description	Defines the biometric subject's place of death.		
Remarks	This field was previously 2.8006 POD in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previously normalized field has been renamed and restructured. A new Field with ID 2.8034 has been assigned in DoD EBTS 3.0. For all location type field, city, state/province, the ISO 3166-1 Alpha3 country code, village and comment are supported.		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Death Place	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Death Location

City

Field ID (Mnemonic)	2.8034_1 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

State / Province

Field ID (Mnemonic)	2.8034_2 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Death Location

Country Code

Field ID (Mnemonic)	2.8034_3 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 3	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Village

Field ID (Mnemonic)	2.8034_4 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Death Location

Comment

Field ID (Mnemonic)	2.8034_5 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Derogatory Comment

Field ID (Mnemonic)	2.8025 (DEROG_COM)		
Description	The derogatory notes and comments concerning a biometric subject.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 250	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Education (Emerging)

Type-2 User-Defined Descriptive Text Record

Biometric Subject Education (Emerging)

Field ID (Mnemonic)	TBD		
Description	The highest level of education the biometric subject has obtained.		
Remarks	n/a		
Format	n/a	**Source**	Developed for BAT V5 AP. Pending approval.
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	2 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	EDUCATION CATEGORY CODES: 01 = PRIMARY 02 = SECONDARY 03 = ASSOCIATE 04 = BACHELOR'S 05 = MASTER'S 06 = DOCTORATE 07 = LANGUAGE TRAINING 08 = HIGH SCHOOL 09 = FLIGHT TRAINING 10 = OTHER VOCATIONAL SCHOOL 11 = OTHER		

Biometric Subject Ethnic/Racial Characteristic

Type-2 User-Defined Descriptive Text Record

Biometric Subject Ethnic/Racial Characteristic

Field ID (Mnemonic)	2.8008 (SUBJ_RAC)		
Description	The observed or reported ethnic/racial physical characteristic of the biometric subject.		
Remarks	Code Mappings from DoD EBTS 3.0 to/from FBI EBTS 9.3 below: DoD Field 2.8008 Biometric Subject Ethnic/Racial Characteristic map to FBI Field 2.025 Race: A <-> A B <-> B I <-> I W <-> W U <-> U PI -> A HL -> W AR -> U AI -> A AS -> A NA -> I XX -> U		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ETHNIC_RACIAL CHARACTERISTIC CODES:
	  A = Chinese, Japanese, Filipino, Korean, Polynesian, Indian, Indonesian, Asian Indian, Samoan, or any other Pacific Islander
	  B = A person having origins in any of the black racial groups of Africa
	  I = American Indian, Eskimo, Alaskan native, or person with origin in any of the 48 US contiguous states or Alaska who maintains cultural identification through tribal affiliation or community recognition
	  U = Of indeterminable race
	  W = Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race
	  HL = Hispanic / Latino
	  AR = Arab
	  AI = Asian Indian
	  PI = Polynesian (Pacific Islander)
	  AS = Asian
	  NA = Native American		

Biometric Subject Eye Color

Type-2 User-Defined Descriptive Text Record

Biometric Subject Eye Color

Field ID (Mnemonic)	2.8037 (SUBJ_EYE)		
Description	The color of the biometric subject's eye(s).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Eye Position

Field ID (Mnemonic)	2.8037_1 (EPOS)		
Description	The position of the eye.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	EPOS = 0, 1, or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	EYE POSITION CODES:
	  0 = Undefined
	  1 = Right Eye
	  2 = Left Eye		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Eye Color

Eye Color

Field ID (Mnemonic)	2.8037_2 (ECOL)		
Description	This field shall specify the subject's eye color.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ALPHA EYE COLOR CODES: BLK = Black BLU = Blue BRO = Brown GRN = Green GRY = Gray HAZ = Hazel MAR = Maroon MUL = Multicolored PNK = Pink XXX = Unknown		

Biometric Subject Eye Color Left (Deprecated)

Type-2 User-Defined Descriptive Text Record

Biometric Subject Eye Color Left (Deprecated)

Field ID (Mnemonic)	2.8011 (LEYE)		
Description	The color of the biometric subject's right eye.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Deprecated
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8037 Biometric Subject Eye Color; 2.8037_1 Eye Position = 2 for left eye; 2.8037_2 Eye Color>		
Sunset Reason	n/a		

Look Up Codes	ALPHA EYE COLOR CODES:
	  BLK = Black
	  BLU = Blue
	  BRO = Brown
	  GRN = Green
	  GRY = Gray
	  HAZ = Hazel
	  MAR = Maroon
	  MUL = Multicolored
	  PNK = Pink
	  XXX = Unknown		

Biometric Subject Eye Color Right (Deprecated)

Type-2 User-Defined Descriptive Text Record

Biometric Subject Eye Color Right (Deprecated)

Field ID (Mnemonic)	2.8012 (REYE)		
Description	The color of the biometric subject's right eye.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	<2.8037 Biometric Subject Eye Color; 2.8037_1 Eye Position = 1 for the right eye; 2.8037_2 Eye Color>		
Sunset Reason	n/a		

Look Up Codes	ALPHA EYE COLOR CODES:
	  BLK = Black
	  BLU = Blue
	  BRO = Brown
	  GRN = Green
	  GRY = Gray
	  HAZ = Hazel
	  MAR = Maroon
	  MUL = Multicolored
	  PNK = Pink
	  XXX = Unknown		

Biometric Subject Group Membership

Field ID (Mnemonic)	2.8039 (GRPMBR)		
Description	Provide summary information on organization(s) the biometric subject is a member of.		
Remarks	This field was previously 2.8018 GRPMBR in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been restructured and a new Field ID 2.8039 has been assigned in DoD EBTS 3.0. This field continues to support the group name, type, member role, address, contact phone and comment.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	12	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

Group Name

Field ID (Mnemonic)	2.8039_1 (GMNAM)		
Description	The name of the group that the biometric subject is associated with.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Group Name	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Group Type

Field ID (Mnemonic)	2.8039_2 (GMTYP)		
Description	The type of group that the biometric subject is associated with.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Group Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GROUP TYPE CODES: TRIB = Tribe GANG = Gang REL = Religious SIG = Special Interest Group POL = Political Group TER = Terrorist Group XXX = Undetermined SOC = Social Networking Group		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

Group Member Role

Field ID (Mnemonic)	2.8039_3 (GMRL)		
Description	The role within the associated group that the biometric subject is acting as.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Group Member Role	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 1

Field ID (Mnemonic)	2.8039_4 (ADD1)		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

Address Line 2

Field ID (Mnemonic)	2.8039_5 (ADD2)		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

City

Field ID (Mnemonic)	2.8039_6 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

State / Province

Field ID (Mnemonic)	2.8039_7 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code

Field ID (Mnemonic)	2.8039_8 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

Postal Code

Field ID (Mnemonic)	2.8039_9 (POSTAL)		
Description	Alphanumeric code assigned to groups of addresses by various national postal systems throughout the world.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Village

Field ID (Mnemonic)	2.8039_10 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Group Membership

Phone Number

Field ID (Mnemonic)	2.8039_11 (PHNUM)		
Description	The full telephone number including international country code and area code. Space and hypen are allowed.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	2.8039_12 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Height Measurement

Type-2 User-Defined Descriptive Text Record

Biometric Subject Height Measurement

Field ID (Mnemonic)	2.8035 (SUBJ_HEIGHT)		
Description	The set of data describing the height measurement (including measurement range) of a biometric subject.		
Remarks	This field was previously 2.8009 HGT. Measurement Type has been removed from the set. A new field ID, 2.8035 SUBJ_HEIGHT has been assigned by DoD EBTS 3.0. For measurement range, provide 2 subfields of the same measurement type where validity is set to estimated.		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Measurement	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Height Value

Field ID (Mnemonic)	2.8035_1 (HGT)		
Description	The value of the height measurement. Mininum height shall be 4'0" and maximum height shall be 7'11". The metric equivalent is also allowed (min = 1.22M, max = 2.41M). The following rules apply when measuring an individual's height: Height (FTIN) - Three-character value, the first (leftmost) digit is used to show feet while the two rightmost digits are used to show inches between 00 and 11. Height (IN) - Two-character value. Height (M) - Four-character value, the first (leftmost) digit is used to show meter, a period is allowed and the two rightmost digits are used to show fraction of a meter. Height (CM) - Three-character value. Note: If the measurement is unknown but mandatory, use "000" to represent unknown measurement.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Measurement Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Height Measurement

Length Unit

Field ID (Mnemonic)	2.8035_2 (LENUNIT)		
Description	The units of measure associated with a given height measurement (e.g., inches, centimeters, etc)		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Measurement Unit	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	HEIGHT MEASUREMENT UNIT CODES:
	  FTIN = Feet Inches
	  IN = Inch
	  M = Meter
	  CM = Centimeter		

Measurement Validity

Field ID (Mnemonic)	2.8035_3 (MEASVLD)		
Description	Captures the validity of the measurement.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MEASUREMENT VALIDITY CODES:
	  EST = Estimated
	  MEA = Measured		

Biometric Subject Marital Status

Type-2 User-Defined Descriptive Text Record

Biometric Subject Marital Status

Field ID (Mnemonic)	2.8016 (SUBJ_MARITAL)		
Description	Marital status of the biometric subject.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	MARITAL STATUS CODES: SGL = Single, sum of never-married, widowed, and divorced people. NMA = Never Married WID = Widowed DIV = Divorced MAR = Married, sum of "married, spouse present," "separated," and "other married, spouse absent." MSP = Married, Spouse Present SEP = Separated MOT = Other Married, Spouse Absent		

Biometric Subject Name

Field ID (Mnemonic)	2.8040 (SUBJ_NAME)		
Description	The name of the biometric subject.		
Remarks	This field was previously 2.8000 SUBJ_NAM in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been restructured and a new Field ID 2.8030 has been assigned in DoD EBTS 3.0. This field continues to support Arabic names. For aliases, see Field 2.8206 SUBJ_AKA for Biometric Subject Alternate Name.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Name

Name - One

Field ID (Mnemonic)	2.8040_1 (NAM1)		
Description	The last name, surname or the family name of the person. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nasab name, a patronymic or series of patronymics.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Two

Field ID (Mnemonic)	2.8040_2 (NAM2)		
Description	The personal name of a person. It is typically the first name in western culture. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Ism name, the main name of an Arab person; his or her personal name (e.g. "Kareem" or "Fatimah").		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Name

Name - Three

Field ID (Mnemonic)	2.8040_3 (NAM3)		
Description	The middle name of a person. It is placed between the first given name and the surname. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Kunya name, the person's first-born son is used as a substitute for the ism.		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Four

Field ID (Mnemonic)	2.8040_4 (NAM4)		
Description	A name of a person to represent a the fourth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fourth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nisbah name, describes a person's occupation, geographic home area, or descent (tribe, family, etc.).		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Name

Name - Five

Field ID (Mnemonic)	2.8040_5 (NAM5)		
Description	A name of a person to represent a the fifth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fifth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Laqab name, intended as a description of the person. Also can be used for the honoric title.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name Validity

Field ID (Mnemonic)	2.8040_6 (NAME_VLD)		
Description	This field defines the validity of the individual's name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NAME VALIDITY CODES: 　DOC　= Documented 　SRT　= Self Reported 　ORT　= Other Reported		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Name

Transliteration Code

Field ID (Mnemonic)	2.8040_7 (TRANSLIT_CD)		
Description	An encoding to transcribe from one alphabet to another.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 6	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TRANSLITERATION CODES:
	  Arabic = Arabic
	  Hindi = Hindi
	  Urdu = Urdu
	  NONE = No Transliteration Applied		

Biometric Subject Other Physical Characteristic (Deprecated)

Field ID (Mnemonic)	2.8015 (OTHR_PHYS)		
Description	Other physical characteristic of a biometric subject such as missing, mutilated, deformed body parts (including Scars, Marks and Tattoos for which there is no image) as defined in the NCIC document SECTION 13 -- SCARS, MARKS, TATTOOS, AND OTHER CHARACTERISTICS (SMT) FIELD CODES.		
Remarks			
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	10 to 10	DoD EBTS 3.0	Sunset
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<see 2.026 SMT>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Personnel Type

Field ID (Mnemonic)	2.310 (PER_TYPE)		
Description	Contains a code that describes a general category or classification of a biometric subject by the reason they are of interest when encountered.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00

Type-2 User-Defined Descriptive Text Record

Biometric Subject Personnel Type

Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 50	**DoD EBTS 3.0**	Yes
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	PERSON CATEGORY CODES:
	  ADGR = Active Duty or Guard or Reserve on Active Duty Assignment
	  AD_OR_GUARD_OR_RESERVER_ON_ADFM = AD or Guard/Reserve on Active Duty Family Member
	  CIVILIAN_ASSOCIATE = Civilian Associate (e.g. Red Cross or USO)
	  CIVILIAN_INTERNEE = Civilian Internee
	  COM = Coalition Member
	  FOREIGN_NATION_HIRE_CONTRACTOR_OCONUS = Contractor For Third Country National
	  CONVEYANCE_OPERATOR = Conveyance Operator
	  CRIMINAL = Criminal
	  DETAINEE = Detainee
	  DISTIGUISHED_CIVILIAN = Distinguished Civilian
	  DOD_BENEFICIARY = DoD Beneficiary (Retiree, Disabled American Veteran, Transitional Comp)
	  DOD_CIVIL_SERVICE_OR_NAF = DoD Civil Service or NAF
	  DOD_CONTRACTOR = DoD Contractor
	  DOD_OR_USCS_OR_NAF_FAMILY_MEMBER = DoD or Uniform Service Civil Service or NAF Family Member
	  DOD_OR_USC_FAMILY_MEMBER = DoD or Uniform Service Contractor Family Member
	  ENEMY_COMBATANT = Enemy Combatant
	  EPW = Enemy Prisoner of War
	  FEDERAL_ASSOCIATE = Federal Associate (e.g. State Dept)
	  FOREIGN_MILITARY = Foreign Military
	  HIGH_VALUE_DETAINEE = High Value Detainee
	  NATION_HIRE_OCONUS = Host Nation Hire (OCONUS) (e.g. Local National)
	  HOST_NATION_MILITARY_OCONUS = Host Nation Military (OCONUS)
	  IDENTI_KID = Identi-Kid
	  LAWFUL_ENEMY_COMBATANT = Lawful Enemy Combatant
	  MIO = Maritime Interception Operation Encounter
	  US_PER_CIT = U.S. Person/U.S. Citizen
	  NATIONAL_GUARD = National Guard
	  NATIONAL_GUARD_FAMILY_MEMBER = National Guard Family Member
	  NON_GOVERNMENT_CIVILIAN = Non-Government Civilian
	  OEN = Operational or Combat Encounter
	  OTHER_DETAINEE = Other Detainee
	  PEN = Patrol or Checkpoint Encounter
	  FACILITIES_SERVICE_PERSON = Person (Delivery, Pickup, Repair)
	  PERSONAL_SERVICES_OR_DOMESTIC = Personal Services or Domestic
	  PROTECTED_PERSON = Protected Person
	  RESERVE = Reserve
	  RESERVE_FAMILY_MEMBER = Reserve Family Member
	  RETAINED_PERSONNEL = Retained Personnel
	  SECURITY_INTERNEE = Security Internee
	  TCN = Third Country National
	  XXX = Unknown
	  UNLAWFUL_ENEMY_COMBATANT = Unlawful Enemy Combatant
	  VOLUNTEER_AGENCY = Member of Service Volunteer Agency
	  OTHER = Other
	  SUSPECT = Suspect
	  VICTIM = Victim
	  ELIMINATION = Eliminiation

Type-2 User-Defined Descriptive Text Record

Biometric Subject Personnel Type

Biometric Subject Previous Residence (Emerging)

Field ID (Mnemonic)	TBD		
Description	The address(es) of the previous residence of the biometric subject.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	11	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 1 (Emerging)

Field ID (Mnemonic)	TBD		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Previous Residence (Emerging)

Address Line 2 (Emerging)

Field ID (Mnemonic)	TBD		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

City (Emerging)

Field ID (Mnemonic)	TBD		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Previous Residence (Emerging)

State / Province (Emerging)

Field ID (Mnemonic)	TBD		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code (Emerging)

Field ID (Mnemonic)	TBD		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Previous Residence (Emerging)

Postal Code (Emerging)

Field ID (Mnemonic)	TBD		
Description	Alphanumeric code assigned to groups of addresses by various national postal systems throughout the world.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Neighborhood / District (Emerging)

Field ID (Mnemonic)	TBD		
Description	A geographically localized community within a larger city, town or suburb.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Previous Residence (Emerging)

Village (Emerging)

Field ID (Mnemonic)	TBD		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Validity (Emerging)

Field ID (Mnemonic)	TBD		
Description	This field defines the validity of the address information.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ADDRESS VALIDITY CODES:
	  DOC = Documented
	  SRT = Self Reported
	  ORT = Other Reported		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Previous Residence (Emerging)

Start Date (Emerging)

Field ID (Mnemonic)	TBD		
Description	The begin date.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

End Date (Emerging)

Field ID (Mnemonic)	TBD		
Description	The end date.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Privacy Act Indicator

Type-2 User-Defined Descriptive Text Record

Biometric Subject Privacy Act Indicator

Field ID (Mnemonic)	2.8107 (PRI_ACT)		
Description	This field indicates whether U.S. citizens or U.S. persons who are being enrolled have signed a privacy act disclosure that would allow their biometrics to be captured.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Biometric Subject Specialty (Emerging)

Field ID (Mnemonic)	2.8548 (SUBJ_SPEC)		
Description	This set of elements describes the specialty and/or skills of the biometric subject, the proficiency level and the validity of the information provided.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Specialty (Emerging)

Biometric Subject Specialty Value (Emerging)

Field ID (Mnemonic)	2.8548_1 (SUBJ_SPEC_VAL)		
Description	The specialty and/or skills of the biometric subject. E.G. nuclear explosives, accounting, etc.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	Biometric Subject Specialty	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Subject Specialty Proficiency (Emerging)

Field ID (Mnemonic)	2.8548_2 (SUBJ_SPEC_PRO)		
Description	The field contains the subject proficeincy level of the specialty and or skills of the biometric subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SPECIALTY PROFICIENCY CODES:
	  1 = Expert
	  2 = Good
	  3 = Average
	  4 = Below Average		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Specialty (Emerging)

Biometric Subject Specialty Validity (Emerging)

Field ID (Mnemonic)	2.8548_3 (SUBJ_SPEC_VALID)		
Description	This information item defines the validity of the specialty and or skills of the biometric subject.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SPECIALTY VALIDITY CODES:
	  DOC = Documented
	  SRT = Self Reported
	  ORT = Other Reported		

Biometric Subject US Person Indicator

Field ID (Mnemonic)	2.8024 (US_IND)		
Description	The indicator of whether a biometric subject is a citizen of the United States, an alien lawfully admitted for permanent residence in the United States, or a member of the U.S. Armed Forces.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Biometric Subject Vital Status

Type-2 User-Defined Descriptive Text Record

Biometric Subject Vital Status

Field ID (Mnemonic)	2.8014 (SUBJ_VITAL)		
Description	The set of fields to indicate the condition of the biometric subject at the time of biometric sample collection.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vital Status Code

Field ID (Mnemonic)	2.8014_2 (VSCD)		
Description	The condition (alive, dead) of the biometric subject at the time of biometric sample collection. This field should be used only when taking biometric sample of the subject and not for latent sample.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Vital Status Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	VITAL STATUS CODES: A = Alive D = Dead X = Unknown		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Vital Status

Vital Status Validity

Field ID (Mnemonic)	2.8014_1 (VSVLD)		
Description	This field defines the validity of the vital status of the biometric subject.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Vital Status Validity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	VITAL STATUS VALIDITY CODES:
	  REP = Reported
	  VER = Verified		

Biometric Subject Weight Measurement

Field ID (Mnemonic)	2.8036 (SUBJ_WEIGHT)		
Description	The set of data describing the weight measurement (including measurement range) of a biometric subject.		
Remarks	This field was previously 2.8010 WGT. Measurement Type has been removed from the set. A new field ID, 2.8036 SUBJ_WEIGHT has been assigned by DoD EBTS 3.0. For measurement range, provide 2 subfields of the same measurement type where validity is set to estimated.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Weight Measurement

Weight Value

Field ID (Mnemonic)	2.8036_1 (WGT)		
Description	The value of the weight measurement. The minimum weight shall be 0 LB/KG. The maximum weight shall be 499 LB or 227 KG. Measurement shall be rounded up to the nearest pound or kilogram. Note: If the measurement is unknown but mandatory, use "000" to represent unknown measurement.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Mass Unit

Field ID (Mnemonic)	2.8036_2 (MASSUNIT)		
Description	The units of measure associated with a given weight measurement (e.g., pounds).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	n/a		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	WEIGHT MEASUREMENT UNIT CODES:
	  LB = Pound
	  KG = Kilogram		

Type-2 User-Defined Descriptive Text Record

Biometric Subject Weight Measurement

Measurement Validity

Field ID (Mnemonic)	2.8036_3 (MEASVLD)		
Description	Captures the validity of the measurement.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MEASUREMENT VALIDITY CODES:
	  EST = Estimated
	  MEA = Measured		

Brother's Name (Deprecated)

Field ID (Mnemonic)	2.329 (BROTHER_NAME)		
Description	This optional field contains the subject's Brother's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 AISEX (M = Male); 2.8038_2 AIRL (6=Sibling); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Cancel Friction Ridge Search (Sunset)

Type-2 User-Defined Descriptive Text Record

Cancel Friction Ridge Search (Sunset)

Field ID (Mnemonic)	2.077 (CFS)		
Description	This field will contain the information required to cancel a latent friction ridge search previously submitted to CJIS. This field will contain unique identifier numbers (AFIS/FBI uses the AFIS Segment Process Control Number) for all searches to be canceled. The response to this request will contain the same information for all searches that were canceled. Only searches that are still pending will be canceled (searches completed or in-progress may not be canceled).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Cancel Fingerprint Search	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<This field has been retired by FBI EBTS 9.3.>		
Look Up Codes	n/a		

Candidate Investigative List

Field ID (Mnemonic)	2.2033 (CNL)		
Description	This field replaces the legacy CAN field in the SRL. This record set contains details about the candidates returned from an investigative search. This field supports a repeating set of the following subfields: 1. UCN of the candidate (FRIF or ULF member), 2. NAM indicates the name of the subject, 3. BSI of the candidate image, 4. IMT of the candidate image, 5. FGP of finger or palm, 6. PPD of the supplemental image when FGP equals supplemental (19), 7. MSC indicates the match score of the candidate., 8. BIA indicates the available biometric image types for the candidate, 9. NDR of candidate when candidate found in an SPC file, 10. IDC is the Image Designation Character, 11. NOT provides owning ORI information when no image is available for candidate.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	11	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

FBI Number/UCN

Field ID (Mnemonic)	2.2033A (UCN)		
Description	The FBI or UCN number assigned by FBI.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Master Name

Field ID (Mnemonic)	2.2033B (NAM)		
Description	Indicates the name of the subject.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Biometric Set Identifier

Field ID (Mnemonic)	2.2033C (BSI)		
Description	This numeric field will uniquely identify a fingerprint set, palmprint set, or a supplemental print set.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 24	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Type [Type-2]

Field ID (Mnemonic)	2.2033D (IMT)		
Description	This field identifies the type of image (e.g., palmprints, toe prints) included in an electronic submittal. The list of IMT values to be used in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present [is listed in the look up codes below].		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE CODES:
	  1 = Fingerprint (event)
	  2 = Lower Joint
	  3 = Palmprint
	  4 = Toe Print
	  5 = Foot Print
	  6 = Supplemental Print
	  7 = Latent Friction Ridge
	  8 = Composite Fingerprint
	  9 = Photo Facial
	  10 = Photo Scar, Mark, & Tattoo
	  11 = Iris
	  12 = Fingerprints on Front of Palm Card
	  13 = Fingerprints on Back of Palm Card		

Friction Ridge Generalized Position

Field ID (Mnemonic)	2.2033E (FGP)

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Friction Ridge Generalized Position

Description	This field is used in Record types dealing with friction ridges. It specifies which friction ridge biometric sample was collected.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Finger Position	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FGP <= 19 or FGP = 33 or 36 or 40 <= FGP <= 50; integer; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List
Friction Ridge Generalized Position

Look Up Codes	2-FINGER COMBINATIONS:
	  40 = Right index/middle
	  41 = Right Middle/Ring
	  42 = Right Ring/Little
	  43 = Left Index/Middle
	  44 = Left Middle/Ring
	  45 = Left Ring/Little
	  46 = Right index/ Left index
	3-FINGER COMBINATIONS:
	  47 = Right Index/Middle/Ring
	  48 = Right Middle/Ring/Little
	  49 = Left Index/Middle/Ring
	  50 = Left Middle/Ring/Little
	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Print Position Descriptors [Type-2, subfield to fields of Type Set]

Field ID (Mnemonic)	2.2033F (PPD)		
Description	This PPD is a subfield to fields of Type Set. This subfield will be present if and only if the subfield Friction ridge Generalized Position code (FGP) or the Friction ridge Number(s) Requested (FNR) code "19" appears in the Set field. These PPD subfields have no subfields (unlike PPD 2.2030). This field shall consist of two mandatory information items. The first is the Probable Decimal finger Position code (0-10) taken from the ANSI/NIST-ITL specification. But for the finger position it must be a two character numeric; implying a leading zero for positions 0 thru 9. The second code information item is the Finger Image Code; it also is taken from the ANSI/NIST-ITL specification to indicate the portion of the EJI or tip image. There may be up to 8 such images for a single finger, but NGI only expects the values of EJI or TIP for Increment 3. Examples of valid values are: 01EJI or 10TIP.		
Remarks	Both the probable decimal friction ridge code and the image code are concatenated into 1 information item without any separator.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	5 to 5	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Match Score

Field ID (Mnemonic)	2.2033G (MSC)		
Description	This field contains the match score from AFIS for each candidate listed in the 2.064 CAN field.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Biometric Image Available

Field ID (Mnemonic)	2.2033H (BIA)		
Description	This field will indicate the existence of available biometric images (fingerprint, palmprint, supplemental print, facial photo, and SMT photo) for an Identity in the NGI AFIS/FBI repository. Allowable BIA values are shown in the table below. The following abbreviations are used in the table for each image type: FP – Fingerprint, PP – Palmprint, SP – Supplemental Print, PHF – Photo Facial, and PSMT – Photo Scar, Mark, & Tattoo.		
Remarks	integer		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	0 <= BIA <= 31		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FBI BIOMETRIC IMAGE AVAILABLE CODES: 0 = None 1 = FP 2 = PP 3 = FP, PP 4 = SP 5 = FP, SP 6 = PP, SP 7 = FP, PP, SP 8 = PHF 9 = FP, PHF 10 = PP, PHF 11 = FP, PP, PHF 12 = SP, PHF 13 = FP, SP, PHF 14 = PP, SP, PHF 15 = FP, PP, SP, PHF 16 = PSMT 17 = FP, PSMT 18 = PP, PSMT 19 = FP, PP, PSMT 20 = SP, PSMT 21 = FP, SP, PSMT 22 = PP, SP, PSMT 23 = FP, PP, SP, PSMT 24 = PHF, PSMT 25 = FP, PHF, PSMT 26 = PP, PHF, PSMT 27 = FP, PP, PHF, PSMT 28 = SP, PHF, PSMT 29 = FP, SP, PHF, PSMT 30 = PP, SP, PHF, PSMT 31 = FP, PP, SP, PHF, PSMT		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Name of Designated Repository

Field ID (Mnemonic)	2.2033I (NDR)		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DESIGNATED REPOSITORY NAME CODES: 1 = FBI Criminal Master File Records 2 = FBI Civil Records 3 = FBI Unsolved Latent File 4 = FBI Major Case File Records 5 = FBI Latent Image File Records 6 = FBI Repository for Individuals of Special Concern (RISC) 7 = Canada Real Time Identification (RTID) 8 = DoD Automated Biometric Identification System (ABIS) 9 = DHS IDENT/US-VISIT 10 = International Terrorist File (ITF) Participants 11 = RISC Wants and Warrants (W&W) 12 = RISC Sexual Offender Registry (SOR) 13 = RISC Known and Suspected Terrorist (KST) 14 = RISC International Terrorist File (ITF) 15 = RISC Persons of Special Interest (Other) 16 – 19 = Reserved for FBI Future Use 20 - 50 = Reserved for Department of Defense 51 - 100 = Reserved for FBI Future Use 101-125 = FBI Special Population Cognizant Files 126-135 = Other Federal Organization Special Population Cognizant Files 136 - 199 = Reserved for FBI Future Use 200 - 399 = Reserved for State/Local System 400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Candidate Investigative List

Information Designation Character

Field ID (Mnemonic)	2.2033J (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Image Designation Character	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	0 < IDC < 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Note Field

Field ID (Mnemonic)	2.2033K (NOT)		
Description	This free-text field is used to provide additional information regarding electronic latent submissions. For latent search identification results feedback, the NOT field will be used to indicate the candidate from the SRL that matched the search image. For ULM transactions, the NOT field will provide information related to latent search images that are candidates for comparison with the unsolved latent (e.g., case-related identifiers or point of contact information). For UHN transactions, the NOT field will contain case related information about the search transaction with the hit that generated the unsolicited notification.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Latent Submission Comment	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1,000	**DoD EBTS 3.0**	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Candidate List

Type-2 User-Defined Descriptive Text Record

Candidate List

Field ID (Mnemonic)	2.064 (CAN)		

Description	This grouped field shall contain a candidate list. It is composed of two subfields:
	
	  Universal Control Number (UCN)
	  Name (NAM)		

Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Candidate List	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Universal Control Number

Field ID (Mnemonic)	2.064A (FBI)		
Description	This conditional alphanumeric text field is used to identify the record with which the photo(s) or images being requested is (are) associated, to identify candidates in a candidate list, or otherwise identify individual subject records.		
Remarks	The UCN can contain an FBI number (FNU) if appropriate for that record.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	9 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Candidate List

Name

Field ID (Mnemonic)	2.064B (NAM)		
Description	This alpha-special field contains the name(s) of the subject. The format shall be the surname followed by a comma (,) followed by the given name(s), which are separated by a space. Part IV of the NCIC Code Manual describes in greater detail the manner in which each name is to be entered. Hyphens, commas, and blanks are all allowed as special characters. Numerics are not allowed. Special values of NAM to be entered in cases where the subject's name is not known are: Condition Name Field Value ------------------- ------------------------ Amnesia Victim UNKNOWN AMNESIA,XX‖ Unknown Deceased UNKNOWN DECEASED,XX‖ Name Not Available (Other) "DOE,JOHN" or "DOE,JANE"		
Remarks	n/a		
Format	NCIC Name Format: <surname>,<given name1> <given name2> ...	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 30	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Comma,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Case Title

Field ID (Mnemonic)	2.061 (CST)		
Description	This field identifies the Latent Case. It will include information concerning the case, and it must include the offense type.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Latent Case Title	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Caveat

Type-2 User-Defined Descriptive Text Record

Caveat

Field ID (Mnemonic)	2.8399 (CAV)		
Description	The Caveat set allows an EBTS file to be annotated with caveat, usage or handling instructions, disclaimer or general information. The set consists of 6 information items: Caveat Originator Country Code, Caveat Originating Agency Name, Caveat Originating Agency Identifier, Caveat Date, Caveat Type and Caveat Text.		
Remarks	For example: 2.8399_1 CAV_CNTRY_CD FRD 2.8399_2 CAV_ORI_NAME FREEDONIAN MINISTRY OF DEFENSE 2.8399_3 CAV_ORI FMOD00001 2.8399_4 CAV_DT 20110919 2.8399_5 CAV_CAT_CD CAVEAT 2.8399_6 CAV_TXT **For US DoD training purposes only** This data is provided by Freedonian Forces to your forces//agency//department in confidence, for internal use only. It can only be used to support Operation Global Mission mandates and must not be used in a manner inconsistent with international law. Data must be extinguished from any record under the control of your forces//agency//department 5 years after input the latest, unless the individual poses a current threat. Any use of this data for purposes outside of the above mandate requires prior approval by the Government of Freedonia. **For US DoD training purposes only**		
Format	ge	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Caveat Originating Agency Country Code

Field ID (Mnemonic)	2.8399_1 (CAV_CNTRY_CD)		
Description	The ISO 3166-1 alpha3 country code of the organization originating the caveat.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Caveat

Caveat Originating Agency Name

Field ID (Mnemonic)	2.8399_2 (CAV_ORI_NAME)		
Description	The name of the administration or organization originating the caveat.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Caveat Originating Agency Identifier

Field ID (Mnemonic)	2.8399_3 (CAV_ORI)		
Description	The identifier of the administration or organization originating the caveat.		
Remarks	In some cases, the Caveat Originating Agency is not the same as the Transaction Originating Agency specified in Field 1.008. The Caveat ORI might not be known. Enter 'XXXXXXXXX' if the identifier is not applicable.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	9 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Caveat

Caveat Date

Field ID (Mnemonic)	2.8399_4 (CAV_DT)		
Description	The date when the caveat is published.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Caveat Category Code

Field ID (Mnemonic)	2.8399_5 (CAV_CAT_CD)		
Description	The kind of caveat described in the text field.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CAVEAT CODES:
	    CAVEAT = A warning or caution
	    USAGE = Instructions on how to use the content
	    INFO = General Information
	    DISCLAIMER = A statement that formally denies legal claim and renounces some or all liability
	    HANDLING = Instruction on how to coordinate on operations such as packaging and movement of the content		

Type-2 User-Defined Descriptive Text Record

Caveat

Caveat Text

Field ID (Mnemonic)	2.8399_6 (CAV_TXT)		
Description	The specific text for the type of caveat.		
Remarks	For example, words describing the retention, non-releasability and searching restriction may be in the 'Caveat Text' information item. The the first 1500 characters should be used for the Caveat Text itself. The remaining portion is opened for other usage such as Partner Nation contact information.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Child's Name (Deprecated)

Field ID (Mnemonic)	2.328 (CHILD_NAME)		
Description	This optional field contains the subject's Child's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX; 2.8038_2 IASSOC_ROLE (5=Child); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Civil Affairs Number (Deprecated)

Type-2 User-Defined Descriptive Text Record

Civil Affairs Number (Deprecated)

Field ID (Mnemonic)	n/a		
Description	This field allows up to 35 digits. This may also be a person's social security number.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 35	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Collected Identification, Collected Identification Type (CAN = Civil Affairs Number), Collected Identification Identifier>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Civil Record Number

Field ID (Mnemonic)	2.085 (CRN)		
Description	A unique identifier assigned to each Civil Subject Record.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Civil Record Number	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	9 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Civil Search Requested Indicator

Type-2 User-Defined Descriptive Text Record

Civil Search Requested Indicator

Field ID (Mnemonic)	2.048 (CSR)		
Description	This field shall contain a "Y" if a search of the Civil File is desired at the completion of Criminal File search.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	CIVIL SEARCH INDICATOR CODES: Y = Yes		

Collected Identification

Field ID (Mnemonic)	2.8019 (COL_IDENT)		
Description	Information about an identification issued by an agency. It is a set of fields consists of Identification Type, Identification Identifier, Issuance Organization, Issuance Office, Issuance Date, Expiration Date, Comment.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collected Identification

Collected Identification Type

Field ID (Mnemonic)	2.8019_1 (CITYP)		
Description	The category of the collected identification, such as passport, employee id, and internment serial number.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 6	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLLECTED IDENTIFICATION CODES:
	  PASS = Passport Information
	  SSN = Social Security Number
	  VISA = Visa Number
	  LPID = Local Population Person Identifier
	  NIDDOC = National Identification Document
	  CAN = Civil Affairs Number
	  DLN = Driver's License Number
	MISCELLANEOUS IDENTIFICATION CODES:
	  AF = Air Force Serial Number
	  AS = Air National Guard Serial Number, Army Serial Number, National Guard Serial Number
	  BF = Bureau Fugitive Index Number
	  CI = Canadian Social Insurance Number
	  CG = U. S. Coast Guard Serial Number
	  IO = Identification Order Number
	  MC = Marine Corps Serial Number
	  MD = Mariner's Document or Identification Number
	  MP = RCMP Identification or Fingerprint Section Number
	  NA = National Agency Case Number
	  NS = Navy Serial Number
	  PS = Port Security Card Number
	  SS = Selective Service Number
	  VA = Veterans Administration Claim Number		

Type-2 User-Defined Descriptive Text Record

Collected Identification

Collected Identification Identifier

Field ID (Mnemonic)	2.8019_2 (CIID)		
Description	The identifying value for the issued identification. Examples include passport number, ssn, or drivers license number. This field is free form text.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collected Identification Issuance Organization

Field ID (Mnemonic)	2.8019_3 (CIISSORG)		
Description	The organization or system that issued the identification collected. This field is free form text and contains values such as "US Government", a country name, a state name, an agency name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collected Identification

Collected Identification Issuance Date

Field ID (Mnemonic)	2.8019_4 (CIISSDT)		
Description	The date when the collected identification was issued.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collected Identification Expiration Date

Field ID (Mnemonic)	2.8019_5 (CIEXPDT)		
Description	The date the issued identification expires.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collected Identification

Collected Identification Issuance Office

Field ID (Mnemonic)	2.8019_6 (CIISSOFF)		
Description	A location or branch identifier for the office or system which issued the identification. This field is free form text. (E.G. The location where the biometric subject receives their card after verification.)		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collected Identification Comment

Field ID (Mnemonic)	2.8019_7 (CICOM)		
Description	The notes and comments concerning the issued identification collected.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 250	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collection Application Assigned Identification (Deprecated)

Type-2 User-Defined Descriptive Text Record

Collection Application Assigned Identification (Deprecated)

Field ID (Mnemonic)	2.8020 (COL_APP_ASGN_IDENT)		
Description	The identification a DoD collection application assigned to an information set collected on the biometric subject. It consists of Application Name, Assigned Identifier Field Name, Application Assigned Identifier.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Denormalized to 2.300 BAT GUID, 2.309 DBIDS ID. No requirements for the other IDs yet.>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collection Application Name (Deprecated)

Field ID (Mnemonic)	2.8020_1 (COL_APP_NAME)		
Description	The name of a collection application or system.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Denormalized to 2.300 BAT GUID, 2.309 DBIDS ID. No requirements for the other IDs yet.>		
Sunset Reason	n/a		

Look Up Codes	COLLECTION APPLICATION NAME CODES:
	  BAT = BAT
	  DBIDS = DBIDS
	  BISA = BISA
	  PI = PI		

Type-2 User-Defined Descriptive Text Record

Collection Application Assigned Identification (Deprecated)

Collection Application Identifier Field Name (Deprecated)

Field ID (Mnemonic)	2.8020_2 (COL_APP_ID_FLD)		
Description	The name of the data field where the identifier assigned by the collection application is being stored.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Denormalized to 2.300 BAT GUID, 2.309 DBIDS ID. No requirements for the other IDs yet.>		
Sunset Reason	n/a		

Look Up Codes	COLLECTION APPLICATION IDENTIFIER FIELD NAME CODES:
	   CHUID = Cardholder Unique Identifier
	   GUID = Global Unique Identifier
	   DBIDS_ID = DBIDS Identifier
	   APP_NUM = Application Number		

Collection Application Assigned Identifier (Deprecated)

Field ID (Mnemonic)	2.8020_3 (COL_APP_ID)		
Description	The value of the field name assigned to the individual by a collection application or system.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Denormalized to 2.300 BAT GUID, 2.309 DBIDS ID. No requirements for the other IDs yet.>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collection COCOM

Type-2 User-Defined Descriptive Text Record

Collection COCOM

Field ID (Mnemonic)	2.8111 (COCOM)		
Description	The DoD Combatant Command responsible for the biometric sample collection.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	LOCATION CODES:
	   USINSCOM = United States Intelligence and Security Command
	   USAFRICOM = United States Africa Command
	   USCENTCOM = United States Central Command
	   USEUCOM = United States European Command
	   USJFCOM = United States Joint Forces Command
	   USNORTHCOM = United States Northern Command
	   USPACOM = United States Pacific Command
	   USSOUTHCOM = United States Southern Command
	   USSOCOM = United States Special Operations Command
	   USSTRATCOM = United States Strategic Command
	   USTRANSCOM = United States Transportation Command		

Collection Equipment Make/Model/Serial Number

Type-2 User-Defined Descriptive Text Record

Collection Equipment Make/Model/Serial Number

Field ID (Mnemonic)	2.8118 (COLL_MMS)		
Description	This field is used to capture the Make, Model and Serial Number (MMS) of the equipment used to collect data for the entire submission. This field can also be used to indicate of the equipment used to capture just the Type-2 data.		
Remarks	With ANSI/NIST ITL 1-2011, many logical record has included a field (X.904 MMS and 17.019 MMS) that capture the make/model/serial number of the equipment the sample was collected with. A Type-2 field is still needed to capture the MMS information for just the Type-2 data or for the entire submission. The FBI field 2.067 Image Capture Equipment is only used with fingerprint image capture equipment. A new field 2.8118 has been created to close the gap to capture the MMS information for Type-2 or the entire submission. An information item for Record Category Code has also been added to allow designation which logical record is the information pertain to, either the entire submission or just the Type-2 data only.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make

Field ID (Mnemonic)	2.8118_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Equipment Make/Model/Serial Number

Model

Field ID (Mnemonic)	2.8118_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Serial Number

Field ID (Mnemonic)	2.8118_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Equipment Make/Model/Serial Number

Record Category Code Referenced

Field ID (Mnemonic)	2.8118_4 (REC)		
Description	The code for the logical record referenced.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	REFERENCED RECORD CATEGORY CODES: 0 = Entire Submission 2 = Type-2 Contextual Data		

Collection Location

Field ID (Mnemonic)	2.8114 (COLL_BLO)		
Description	The field is used to capture the geographic location where the biometric sample was collected for the entire submission. This field can also be used to capture the geographic location where the Type-2 data was collected if it is captured at a different location.		
Remarks	This field was previously 2.301 BLO in DoD EBTS 1.2 and 2.8100 COLL_BLO with extended size in DoD EBTS 2.0. With ANSI/NIST ITL 1-2011, many logical record has included a field (X.998 GEO) that capture the geographic location where the data was collected. A Type-2 field is still needed for response transactions. To maintain consistency with ANSI/NIST ITL 1-2011, the Collection Location field has been restructured to include all the information items from the x.998 GEO field and a new Field ID 2.8114 has been assigned in DoD EBTS 3.0. In addition, City, State/Province, Country Code, Village have been added. An information item for Record Category Code Referenced has also been added to allow designation which logical record is the information pertain to, either the entire submission or just the Type-2 data only.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	20	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Universal Time Entry

Field ID (Mnemonic)	2.8114_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	2.8114_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Latitude Minute Value

Field ID (Mnemonic)	2.8114_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	2.8114_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Longitude Degree Value

Field ID (Mnemonic)	2.8114_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	2.8114_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Longitude Second Value

Field ID (Mnemonic)	2.8114_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	2.8114_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Geodetic Datum Code

Field ID (Mnemonic)	2.8114_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-2 User-Defined Descriptive Text Record

Collection Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	2.8114_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two integers followed by a single letter		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	2.8114_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	2.8114_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Reference Text

Field ID (Mnemonic)	2.8114_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	2.8114_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 10	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Value

Field ID (Mnemonic)	2.8114_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 126	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

City

Field ID (Mnemonic)	2.8114_16 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

State / Province

Field ID (Mnemonic)	2.8114_17 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Country Code

Field ID (Mnemonic)	2.8114_18 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Village

Field ID (Mnemonic)	2.8114_19 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Location

Record Category Code Referenced

Field ID (Mnemonic)	2.8114_20 (REC)		
Description	The code for the logical record referenced.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	REFERENCED RECORD CATEGORY CODES:
	  0 = Entire Submission
	  2 = Type-2 Contextual Data		

Collection Reason

Field ID (Mnemonic)	2.8103 (COL_RSN)		
Description	The purpose for which a biometric sample was obtained from the biometric subject.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 300	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Collection Unit (Emerging)

Type-2 User-Defined Descriptive Text Record

Collection Unit (Emerging)

Field ID (Mnemonic)	TBD		
Description	Information regarding the unit that collected the biometric sample.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Superior Unit (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the superior unit.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Collection Unit (Emerging)

Subordinate Unit (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the subordinate unit.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SubSuperior Unit (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the sub superior unit.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Color Eyes (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Color Eyes (Legacy Derivable)

Field ID (Mnemonic)	2.031 (EYE)		
Description	For this field, the three-letter code from the following table is used to indicate the subject's color of eyes.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Derivable
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8037 SUBJ_EYE; 2.8037_2 EYE (pick the 1st subfield if it is not XXX, otherwise pick the 2nd subfield. If both are XXX, then pick that).		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALPHA EYE COLOR CODES:
	  BLK = Black
	  BLU = Blue
	  BRO = Brown
	  GRN = Green
	  GRY = Gray
	  HAZ = Hazel
	  MAR = Maroon
	  MUL = Multicolored
	  PNK = Pink
	  XXX = Unknown		

Contextual Data Collection Date (Deprecated)

Field ID (Mnemonic)	2.8101 (COLL_DATE)		
Description	The date that the Type-2 contextual/situation data was collected. This can be different than when the sample data was collected.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114 Collection Location; 2.8114_1 UTE>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contract (Emerging)

Type-2 User-Defined Descriptive Text Record

Contract (Emerging)

Field ID (Mnemonic)	2.8508 (CONTRACT)		
Description	The set consists of the contract number and the contract expiration date.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contract Number (Emerging)

Field ID (Mnemonic)	2.8508_1 (CNTRACT_NUM)		
Description	The number identifying the legal agreement with an employer.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Contract (Emerging)

Contract Expiration Date (Emerging)

Field ID (Mnemonic)	2.8508_2 (CNTRACT_EXPDT)		
Description	The date on which the contract with the employer expires.		
Remarks	n/a		
Format	YYYYMMDD	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contributor Assigned Identification Number

Field ID (Mnemonic)	2.2022 (CIDN)		
Description	This field is the unique number assigned to a single biographic search by the contributor. This field shall contain ten bytes of alphanumeric data. This is a field in a Type-2 biographic search request (EQHR).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	10 to 10	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contributor Case Identifier Extension

Type-2 User-Defined Descriptive Text Record

Contributor Case Identifier Extension

Field ID (Mnemonic)	2.011 (CIX)		
Description	This field is a two-byte to four-byte numeric supplement to the Case Identifier Number that allows multiple searches to be associated with the same case. The CIX shall be used only in conjunction with the CIN.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contributor Case Identifier Number

Field ID (Mnemonic)	2.010 (CIN)		

Description	This grouped free-text field is a 48-byte (maximum) alphanumeric-special assigned by the contributor to uniquely identify a latent case. It consists of:
	  a literal subfield Contributor Case Prefix (CIN_PRE) of up to 24 characters (e.g., "Incident #," "Laboratory Number," "Investigation No.")
	  the Contributor Case Identifier subfield (CIN_ID) of up to 24 characters.		

Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Contributor Case Identifier Number

Contributor Case Identifier Prefix

Field ID (Mnemonic)	2.010A (CIN_PRE)		
Description	The prefix for the Contributor Case Identifier. For example, "Incident #", "Laboratory Number:", "Investigation No."		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 24	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Contributor Case Identifier

Field ID (Mnemonic)	2.010B (CIN_ID)		
Description	The identifier assigned by the contributor to uniquely identify a case.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 24	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Controlling Agency Identifier

Type-2 User-Defined Descriptive Text Record

Controlling Agency Identifier

Field ID (Mnemonic)	2.073 (CRI)		
Description	In Criminal and Civil transactions, the first instance of this field shall contain the originating agency identifier (ORI) of the organization controlling the transaction when that organization is different than the one submitting the transaction (e.g., the CJIS Systems Agency, or CSA). When the controlling agency has the same ORI as the CSA, both the ORI and CRI fields shall be submitted with the same identifier. In criminal transactions, the CRI will usually refer to the booking station that has submitted the subject's fingerprint card or photo to be transmitted through the CSA to the FBI. For Civil submissions, this field may be user-defined in accordance with predefined parameters and must be validated through the field specification edits and the format of an NCIC-authorized ORI. The FBI uses the first instance of CRI in any transaction that would modify criminal records as the authority to do so. When a Civil transaction is Ident to a criminal subject and the first instance of the submitted CRI is not an authorized ORI, the ORI of the State Identification Bureau that submitted the transaction will be used in its stead. The second and third instances of CRI, when sent, are treated as user-defined fields. (See also Appendix B for definitions of ORI and DAI.) The CRI returned is otherwise the same as was submitted unless the submitting agency has used a deleted or retired CRI, in which case its replacement will be used. For EBTS purposes, this field shall be a nine-byte alphanumeric field. The first two characters shall be a valid alpha-character POB code, which represents the state or country in which the agency is located, and the entire CRI shall validate to an NCIC-authorized ORI. For federal agencies, the first two characters should coincide with their respective headquarters or office ORI. If an agency is submitting for an entity outside of its respective state, the channeling agency need only ensure that submitted CRIs represent valid ORIs that have been added to the CJIS Computerized Contributor Address file. For the UHN TOT, the CRI contains the ORI of the search transaction for which a hit generates the unsolicited notification.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country of Citizenship (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Country of Citizenship (Legacy Derivable)

Field ID (Mnemonic)	2.021 (CTZ)		
Description	This field contains two-letter abbreviation for the name of the country of which the subject is a citizen. Entry must be a valid country code from the NCIC State and Country Data Code Table found in Appendix O [of FBI EBTS 9.1].		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Derivable
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8007 CTZ (translate from ISO 3166 Alpha3 to NCIC Country Code).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NCIC COUNTRY/STATE CODES: NCIC POB Code = Code Table POB in Part VI of the NCIC Code		

Court Segment Literal

Field ID (Mnemonic)	2.051 (CSL)		
Description	The CSL field is made up of the Court Disposition Date (CDD), the Court Offense Literal (COL), and the Other Court Sentence Provision Literal (CPL). The following is a native encoding example of the CSL with multiple occurrences: 2.051:19940930<US>DUI<US>5 DAYS JAIL, PAY COURT COSTS<RS>19940930<US>POSSESSION OF FIREARMS<US>10 DAYS JAIL, PAY COURT COSTS, $50<GS> The following is a native encoding example of the CSL when the first of two CDDs are not available: 2.051:<US>DUI<US>5 DAYS JAIL, PAY COURT COSTS<RS>19940930<US>POSSESSION OF FIREARMS<US>10 DAYS JAIL, PAY COURT COSTS, $50<GS>		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Court Segment Literal

Court Disposition Date

Field ID (Mnemonic)	2.051A (CDD)		
Description	The date a court count was disposed of by the court. The CDD shall appear as an eight-digit number as specified in Section 1.1 of this appendix. The CDD shall not exceed the current date except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone. This date field shall contain the local date for the region submitting the request. Edit checks will accept the local date as valid up to 24 hours forward to accommodate the variance between international time zones.		
Remarks	n/a		
Format	YYYYMMDD	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	8 to 8	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DATE FORMAT CODES: YYYYMMDD = Date Format		

Court Offense Literal

Field ID (Mnemonic)	2.051B (COL)		
Description	A freeform text description of an offense charged in a court count. The first character of the COL must not be a blank.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 300	**DoD EBTS 3.0**	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Court Segment Literal

Other Court Sentence Provision Literal

Field ID (Mnemonic)	2.051C (CPL)		
Description	The freeform text containing information on sentence provisions.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 300	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Custody or Supervisory Literal

Field ID (Mnemonic)	2.055 (SLE)		
Description	This field contains the free-text description of the subject's custody or supervision status. The first character must not be blank. Entry of SLE requires that SSD also be entered.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Custody or Supervisory Status Literal	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 300	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Custody or Supervisory Status Start Date

Type-2 User-Defined Descriptive Text Record

Custody or Supervisory Status Start Date

Field ID (Mnemonic)	2.054 (SSD)		
Description	This field contains the start date for the subject's indicated custody or supervisory status. The date shall appear as an eight-digit number. The SSD may not be less than Date Of Arrest. The SSD shall not exceed the current date except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone. This date field shall contain the local date for the region submitting the request. Edit checks on the CJIS will accept the local date as valid up to 24 hours forward to accommodate the variance between international time zones. If custody data are submitted, all custody fields (SSD, OCA, and SLE) must be present.		
Remarks	n/a		
Format	YYYYMMDD	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date of Arrest

Field ID (Mnemonic)	2.045 (DOA)		
Description	This field contains the date of arrest. The date shall appear as an eight-digit number. DOA shall not exceed date of submission except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone. This date field shall contain the local date for the region submitting the request.		
Remarks	n/a		
Format	YYYYMMDD	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date of Arrest - Suffix

Type-2 User-Defined Descriptive Text Record

Date of Arrest - Suffix

Field ID (Mnemonic)	2.046 (DOS)		
Description	This field contains a code representing the sequence of the subject's arrests within a given date. The code also indicates the type of fingerprint card on which the Date of Arrest was contained. This field is for internal use within the FBI only.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date of Birth (Legacy Derivable)

Field ID (Mnemonic)	2.022 (DOB)		
Description	This field contains the date of birth. It is entered as an eight-digit number in the same format as specified in Section 1.1 of this appendix [in FBI EBTS 9.1]. If DOB is completely unknown, enter as 00000000. Partial DOBs are not allowed. DOB shall not exceed date of submission after time zone adjustment. When a submission contains an unknown DOB and is a non-ident retained, that submission will be rejected, as IAFIS will not allow a master record to be created with an unknown DOB.		
Remarks	n/a		
Format	YYYYMMDD	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Derivable
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8003 SUBJ_DOB; 2.8003_1 DATE_VAL; 2.8003_3 CAL_TYP (G = Gregorian).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Date Printed (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Date Printed (Legacy Derivable)

Field ID (Mnemonic)	2.038 (DPR)		
Description	This field contains the date that the subject was fingerprinted. The format shall be the same as that specified in Section 1.1 of this appendix. DPR shall not exceed date of submission except when the submission originates from an international contributor located in a time zone earlier than the Eastern Time Zone. This date field shall contain the local date for the region submitting the request. Edit checks will accept the local date as valid up to 24 hours forward to accommodate the variance between international time zones.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Derivable
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	14.005 FCD.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Defense Biometric Identification System Identifier

Field ID (Mnemonic)	2.309 (DBIDS_ID)		
Description	This optional field shall contain the DBIDS ID unique identifier for a DBIDS user.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Defense Biometric Identification System (DBIDS) ID	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	10 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DoD Number

Type-2 User-Defined Descriptive Text Record

DoD Number

Field ID (Mnemonic)	2.303 (DOD_NO)		
Description	Number assigned to the enrollment by a DoD repository.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Dossier Number

Field ID (Mnemonic)	2.335 (DOSSIER)		
Description	The identifier for the dossier (collection of documents) about the subject.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electronic Data Interchange Personal Identifier

Type-2 User-Defined Descriptive Text Record

Electronic Data Interchange Personal Identifier

Field ID (Mnemonic)	2.308 (EDIPI)		
Description	This optional field shall contain the EDIPI unique identifier for a person in the DMDC Person Data Repository.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	10 to 20	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electronic Rap Sheet

Field ID (Mnemonic)	2.075 (ERS)		
Description	This field shall contain the electronic rap sheet. The electronic rap sheet is an electronic copy of the Identification Record Report (IDRR) or the Non-Identification Response (NIDR) as are done today. The electronic rap sheet shall consist of lines with a maximum of 74 characters per line (text of 72 plus two line control characters). The RPISR transaction will populate this field with the NGI Identity History Summary (IHS). Other transactions will migrate to using the IHS in the future. The IHS shall also consist of lines with a maximum of 74 characters per line (text of 72 plus two line control characters). The RPISR transaction will populate this field with the NGI Identity History Summary (IHS). Other transactions will migrate to using the IHS in the future. The IHS shall also consist of lines with a maximum of 74 characters per line (text of 72 plus two line control characters). For a TPRR transaction that contains multiple candidates, the identity history for each candidate will be concatenated into this field.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 200,000	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Employee Identification Number

Type-2 User-Defined Descriptive Text Record

Employee Identification Number

Field ID (Mnemonic)	2.049 (EID)		
Description	This field contains the employee identification number (e.g., user ID) for federal agency employees granted privileges relating to Special Population Cognizant (SPC) File searching or maintenance. Maintenance privileges include adding records, updating records, deleting record, or appending additional sets of fingerprint images to an existing SPC record.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Employer and Address (Legacy Derivable)

Field ID (Mnemonic)	2.039 (EAD)		
Description	The name and address of the subject's primary employer may be entered into this free-text field. The EAD returned in a response is the same as the one submitted. For the native encoding, this field is a free form text field. The RPISR transaction will populate this field with the NGI Identity History Summary (IHS). Other transactions will migrate to using the IHS in the future. The IHS shall also consist of lines with a maximum of 74 characters per line (text of 72 plus two line control characters). For a TPRR transaction that contains multiple candidates, the identity history for each candidate will be concatenated into this field.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 120	DoD EBTS 3.0	Derivable
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8028 EMPLOY; concatenate the following information items: 2.8028_1 EMPLOY_NAME, 2.8028_3 - 2.8028_9 (for the Employment Address).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Employment

Type-2 User-Defined Descriptive Text Record

Employment

Field ID (Mnemonic)	2.8028 (EMPLOY)		
Description	The information about the biometric subject's employment.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Employer	DoD EBTS 1.2	No
Num Info Items	18	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Employer Name

Field ID (Mnemonic)	2.8028_1 (EMPNAM)		
Description	The organization name of the employer, such as company name or corporate name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Employment

Employee Position Name

Field ID (Mnemonic)	2.8028_2 (POSNAM)		
Description	A job title or position of an employee.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Blank		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 1

Field ID (Mnemonic)	2.8028_3 (ADD1)		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Address Line 2

Field ID (Mnemonic)	2.8028_4 (ADD2)		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

City

Field ID (Mnemonic)	2.8028_5 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

State / Province

Field ID (Mnemonic)	2.8028_6 (STATE)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country Code

Field ID (Mnemonic)	2.8028_7 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Type-2 User-Defined Descriptive Text Record

Employment

Postal Code

Field ID (Mnemonic)	2.8028_8 (POSTAL)		
Description	Alphanumeric code assigned to groups of addresses by various national postal systems throughout the world.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Village

Field ID (Mnemonic)	2.8028_9 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	**Source**	BSWG
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Phone Number

Field ID (Mnemonic)	2.8028_10 (PHNUM)		
Description	The full telephone number including international country code and area code. Space and hypen are allowed.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Email Address

Field ID (Mnemonic)	2.8028_11 (EMAIL)		
Description	Identifies an email box to which email messages are delivered. Application Profile might be more specific to what characters are allowed to be entered for the email address.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 254	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Clearance Code

Field ID (Mnemonic)	2.8028_12 (CLRCD)		
Description	The clearance level that the biometric subject claims to have. This field is not authoritative.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Biometric Subject Clearance Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	CLEARANCE VALUE CODES: 　TOP　= Top Secret 　SEC　= Secret 　CNF　= Confidential 　NON = Non-DoD		

Job Duties

Field ID (Mnemonic)	2.8028_13 (DUTY)		
Description	A list of tasks performed at a job.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Job Description

Field ID (Mnemonic)	2.8028_14 (JOBDESC)		
Description	Freeform text to describe the a job such as responsibilities, expected outcome, etc.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Supervisor Name

Field ID (Mnemonic)	2.8028_15 (SUPV)		
Description	The name of the person who is in charge of a particular department or unit.		
Remarks	n/a		
Format	NCIC Name Format: <surname>,<given name1> <given name2> ...	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Start Date

Field ID (Mnemonic)	2.8028_16 (STARTDATE)		
Description	The begin date.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

End Date

Field ID (Mnemonic)	2.8028_17 (ENDDATE)		
Description	The end date.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Employment

Comment

Field ID (Mnemonic)	2.8028_18 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Encounter Comment

Field ID (Mnemonic)	2.8108 (ENCTR_COM)		
Description	The comments or notes on the encounter mission in which the biometric sample was collected including any extenuating circumstances of the encounter.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Encounter Mission Type

Type-2 User-Defined Descriptive Text Record

Encounter Mission Type

Field ID (Mnemonic)	2.8102 (ENCTR_MSN)		
Description	The kind of mission under which the biometric subject's data was collected.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ENCOUNTER MISSION CODES:
	  AC = Access
	  CP = Combat Patrol
	  PC = Population Control
	  SE = Site Exploitation
	  EMIO = Expanded Maritime Interception Operation
	  OTHER = Other
	  DT = Detainee Transfer
	  EN = Enrollment
	  HA = Humanitarian Aid
	  VBSS = Vessel Board Search and Seizure for Navy		

Encounter Protection

Type-2 User-Defined Descriptive Text Record

Encounter Protection

Field ID (Mnemonic)	2.351 (EP)		
Description	The encounter protection fields defined below allow for an incoming submission to identify and conceal associations made with other previously submitted transactions. This set of fields can be used by an individual ORI to either protect or unprotect a single associated match or all associated matches. This field contains information that will be used in the case where a new submission wants the subject's association(s) to be protected or unprotected. Protection of either an individual encounter or multiple encounters will be decided based on the entries in this field. This field contains two subfields and both must be completed if this field is used.		
Remarks	DoD EBTS v3.0 identifies Field 2.351 for Encounter Protection. However, Field 2.351 Encounter Protection shall not be configurable by the user or the biometric capturing device (i.e., Encounter Protection is for internal use only at this time). Submissions from organizations that must use Encounter Protection should contact BIMA operations and coordinate the use of Encounter Protection with them. It is the responsibility of ABIS to follow the Encounter Protection business rules based on the Originating Agency Identifier.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Encounter Protection Function

Field ID (Mnemonic)	2.351_1 (EP_FUN)		
Description	This field contains information that will be used to determine the action to be taken. It will contain a single numeric value 0=Unprotect, 1=Protect.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ENCOUNTER PROTECTION FUNCTION CODES:
	  0 = Unprotect
	  1 = Protect		

Type-2 User-Defined Descriptive Text Record

Encounter Protection

Encounter Protection Level

Field ID (Mnemonic)	2.351_2 (EP_LEVEL)		
Description	This field contains information that will be used to determine the level of protection being assigned to the subject being searched. This field will contain a single numeric value 0 = Single Encounter, 1 = All Encounter.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ENCOUNTER PROTECTION LEVEL CODES:
	    0 = Single Encounter
	    1 = All Encounters		

Environmental Condition (Sunset)

Field ID (Mnemonic)	n/a		
Description	The brief description of the environmental conditions surrounding the event; e.g. weather, water, etc.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<No requirement.>		
Look Up Codes	n/a		

Estimated Time to Complete (Sunset)

Type-2 User-Defined Descriptive Text Record

Estimated Time to Complete (Sunset)

Field ID (Mnemonic)	2.069 (ETC)		
Description	The estimated time to complete a search or multiple searches for a Latent Search Status and Modification Query. This one-to-four-byte field will contain the estimated search completion time in minutes up to five days. As this field will no longer be supported, this field will be retired in the next version.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<This field has been retired by FBI EBTS 9.3.>		
Look Up Codes	n/a		

Facial Image Omitted Reason

Field ID (Mnemonic)	2.8117 (FOMITTED)		
Description	Reason why the facial image (aka as full frontal pose Type-10 record) is not present in the associated file.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FACIAL IMAGE OMITTED REASON CODES:
	  UP = Unable to capture (e.g. bandaged)
	  XX = Paritally captured due to amputation of some facial feature(s)		

Father's Name (Deprecated)

Type-2 User-Defined Descriptive Text Record

Father's Name (Deprecated)

Field ID (Mnemonic)	2.323 (FATHER_NAME)		
Description	This optional field contains the subject's Father's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX (M=Male); 2.8038_2 IASSOC_ROLE (1=Parent); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

FBI File Number

Field ID (Mnemonic)	2.003 (FFN)		
Description	This is a 10-byte numeric representing the FBI Investigative File Number. This is not the FBI Number specified by the mnemonic "FBI." Since it is used for FBI LFPS record keeping purposes, it is imperative that the user transmit this number if it is known.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	10 to 10	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

FBI Latent Case Number

Type-2 User-Defined Descriptive Text Record

FBI Latent Case Number

Field ID (Mnemonic)	2.012 (LCN)		
Description	This field is an 11-byte alphanumeric/special assigned by the FBI LFPS and used for recordkeeping purposes. Although the field is optional, it is imperative that the user transmits this number if it is known.		
Remarks	Notes from FBI EBTS 9.3: With the clear definition that the LCN/LCX fields (2.012/2013) are for internal latent lab examiner use only, these fields are being removed from all appropriate messages.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	11 to 11	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

FBI Number (UCN)

Field ID (Mnemonic)	2.014 (FBI)		
Description	This field contains the subject's FBI number if known. A valid FBI number shall be no more than nine alphanumeric characters. The FBI number returned in a response is dependent upon the search results. As NGI updates and adds functionality, this field will be used to identify the specific Identity contained in the NGI database. This Universal Control Number (UCN) will be used to identify records in the criminal, civil, and other new repositories along with the Unsolved Latent File (ULF). The Segment Control Number (SCNA) used in IAFIS for ULF records and will continue to be providedthis field where designated in the message definition.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Number	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Finger Number(s) Requested

Type-2 User-Defined Descriptive Text Record

Finger Number(s) Requested

Field ID (Mnemonic)	2.057 (FNR)		
Description	This numeric field is used in transactions involving a request for fingerprint image information. The finger numbers for which image information is requested are selected from Table, "Finger Position Code," in the ANSI/NIST-ITL. Up to 13 individual finger image numbers may be listed, separated from one another by the <RS> separator. If all 14 tenprint images are desired, 00 is shown instead of individual finger numbers. For transactions that allow only the ten rolled fingerprint images, when all ten images are desired, list each one separately. For native encoding, the finger codes being requested shall appear as 01<RS>02<RS>...<RS>10<GS>. For the NGI Increment 3 version of the IRQ, this field may include the supplemental position code of 19, along with the palm position codes outlined from look up codes below.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	PALM POSITION CODES: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar REQUESTED FINGER NUMBER CODES: 00 = ALL 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 19 = EJI or tip		

Type-2 User-Defined Descriptive Text Record

Finger Number(s) Requested

Finger Position

Field ID (Mnemonic)	2.074 (FGP)		
Description	This field is used for latent submissions and searches and contains the fingerprint position code of the latent print(s) submitted. [See look up codes below]. If more than one finger is submitted with native encoding, then the codes will be separated by the RS character separator. For latent searches, if multiple fingerprint images are included in one search, finger position is mandatory for all images. If finger position is unknown, the search may contain only a single image, and the field FGP will be omitted or may contain multiple guesses at the correct finger position in the FGP field. In this case, the PAT field must contain "00" in its Finger Number subfield to indicate that the actual position is unknown (see also PAT entry, including example of XML usage for multiple finger guesses).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	LATENT FINGER POSITION CODES:
	  00 = Unknown or "ALL"
	  01 = Right thumb
	  02 = Right index finger
	  03 = Right middle finger
	  04 = Right ring finger
	  05 = Right little finger
	  06 = Left thumb
	  07 = Left index finger
	  08 = Left middle finger
	  09 = Left ring finger
	  10 = Left little finger
	  19 = Supplemental Images		

Fingerprint Images Updated

Type-2 User-Defined Descriptive Text Record

Fingerprint Images Updated

Field ID (Mnemonic)	2.072 (FIU)		
Description	This alphanumeric field contains the finger positions that were updated in the FBI's Fingerprint Image Master File as a result of an electronic request to update fingerprint images. The finger numbers for which image information is requested are selected from Table, "Finger Position Code," in the ANSI NIST-ITL. Up to 13 individual finger numbers may be listed. For native encoding, each finger number will be separated from one another by the US separator. If images of all 14 fingers were updated, the single character "A" is shown instead of individual finger numbers. If no images were updated, an "N" will be returned. For XML encoding, 0 will be used to specify all fingers were updated while 255 will be used for no images updated.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT IMAGE UPDATED CODES: A = Images of all 14 fingers were updated N = No finger images were updated 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 0 = All Fingers Updated (XML only) 255 = No Finger Image Updated (XML Only)		

Geographic Area of Search

Type-2 User-Defined Descriptive Text Record

Geographic Area of Search

Field ID (Mnemonic)	2.044 (GEO)		
Description	This field indicates the geographic area to be searched. The appropriate two letter abbreviation shall be used as listed in Part IV of the NCIC State and Country Data Code Table found in Appendix O. Each GEO shall be separated from the next by the RS separator character. If inclusion of all 50 states is desired, this field shall remain blank.		
Remarks	Specific to FBI		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Geographic Area of Search	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NCIC COUNTRY/STATE CODES: NCIC POB Code = Code Table POB in Part VI of the NCIC Code		

Geographic Coordinate Datum (Deprecated)

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Datum (Deprecated)

Field ID (Mnemonic)	2.307 (DATUM_ID)		
Description	This optional field contains an identifier for the datum used to express the coordinates provided in field 2.306, 2.321, or 2.322. If this field is absent, and one of those other fields are populated, the default datum is WGS-84 / NAD-83.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 6	DoD EBTS 3.0	Deprecated
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	<2.8114_09 (GDC) or xx.998_9 (GDC)>		
Sunset Reason	n/a		

Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES:
	  AIRY = Airy
	  AUST = Australian National
	  BES = Bessel 1841
	  BESN = Bessel 1841 (Nambia)
	  CLK66 = Clarke 1866
	  CLK80 = Clarke 1880
	  EVER = Everest
	  FIS60 = Fischer 1960 (Mercury)
	  FIS68 = Fischer 1968
	  GRS67 = GRS 1967
	  GRS80 = GRS 1980
	  HELM = Helmert 1906
	  HOUG = Hough
	  INT = International
	  KRAS = Krassovsky
	  AIRYM = Modified Airy
	  EVERM = Modified Everest
	  FIS60M = Modified Fischer 1960
	  SA69 = South American 1969
	  WGS60 = WGS-60
	  WGS66 = WGS-66
	  WGS72 = WGS-72
	  WGS84 = WGS-84 / NAD-83
	  Other = <entry up to 6 characters>		

Geographic Coordinate Latitude/Longitude (Deprecated)

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Latitude/Longitude (Deprecated)

Field ID (Mnemonic)	2.306 (GEO_CORD)		
Description	This field contains the longitude and latitude at which the submission was collected. It consists of Latitude Degree, Latitude Minute, Latitude Second, Longitude Degree, Longitude Minute, and Longitude Second. Both Latitude Degree and Longitude Degree are required if this field is present. Decimal values are allowed in each information item. If a decimal value is used in a particular information item, the more granular information item shall be empty (e.g., if Longitude Minutes equals 45.67, Longitude Seconds shall be empty). The datum for this field is indicated in Geographic Coordinate Datum (DATUM_ID).		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<xx.998 GEO>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree (Deprecated)

Field ID (Mnemonic)	2.306_1 (GEO_CORD_LAT_DEG)		
Description	This field contains the latitude at which the submission was collected. The data is in degrees in the range +90 to -90. The plus sign may be omitted. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Latitude Degree	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 9	DoD EBTS 3.0	Deprecated
Char Types	NS		
Special Chars	Hyphen,Period,Plus Sign		
Value Constraints	-90 <= GEO_CORD_LAT_DEG <= +90		
Legacy Derivable	n/a		
Deprecated By	<2.8114_02 (LTD) or xx.998_2 (LTD)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Latitude/Longitude (Deprecated)

Latitude Minute (Deprecated)

Field ID (Mnemonic)	2.306_2 (GEO_CORD_LAT_MIN)		
Description	This field contains the geographic location latitude. The data is in minutes in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Latitude Minute	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	0 <= GEO_CORD_LAT_MIN < 60		
Legacy Derivable	n/a		
Deprecated By	<2.8114_03 (LTM) or xx.998_3 (LTM)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second (Deprecated)

Field ID (Mnemonic)	2.306_3 (GEO_CORD_LAT_SEC)		
Description	This field contains the geographic location latitude. The data is in seconds in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Latitude Second	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	0 <= GEO_CORD_LAT_SEC < 60		
Legacy Derivable	n/a		
Deprecated By	<2.8114_04 (LTS) or xx.998_4 (LTS)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Latitude/Longitude (Deprecated)

Longitude Degree (Deprecated)

Field ID (Mnemonic)	2.306_4 (GEO_CORD_LONG_DEG)		
Description	This field contains the geographic location longitude. The data is in the range of +180 to -180. The plus sign may be omitted. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Longitude Degree	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 10	DoD EBTS 3.0	Deprecated
Char Types	NS		
Special Chars	Period,Plus Sign		
Value Constraints	-180 <= GEO_CORD_LONG_DEG <= +180		
Legacy Derivable	n/a		
Deprecated By	<2.8114_05 (LGD) or xx.998_5 (LGD)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute (Deprecated)

Field ID (Mnemonic)	2.306_5 (GEO_CORD_LONG_MIN)		
Description	This field contains the geographic location longitude. The data is in minutes in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Longitude Minute	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 8	DoD EBTS 3.0	Deprecated
Char Types	NS		
Special Chars	Period		
Value Constraints	0 <= GEO_CORD_LONG_MIN < 60		
Legacy Derivable	n/a		
Deprecated By	<2.8114_6 (LGM) or xx.998_6 (LGM)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Latitude/Longitude (Deprecated)

Longitude Second (Deprecated)

Field ID (Mnemonic)	2.306_6 (GEO_CORD_LONG_SEC)		
Description	This field contains the geographic location latitude. The data is in seconds in the range from 0 to less than 60. Decimal values are allowed.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Longitude Second	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	NUL0 <= GEO_CORD_LONG_SEC< 60L		
Legacy Derivable	n/a		
Deprecated By	<2.8114_07 (LGS) or xx.998_7 (LGS)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other (Deprecated)

Field ID (Mnemonic)	2.321 (CORD_OTHER)		
Description	The alternate coordinate data set for the location where a submission was collected.		
Remarks	These coordinates are expressed in the indicated coordinate system. All information items in the set are mandatory if this field is present. The datum for this field is indicated in Geographic Coordinate Datum.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114 COLL_BLO, 2.8114_14 OSI, 2.8114_15 OCV or xx.998 GEO, xx.998_14 OSI, xx.998_15 OCV>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Other (Deprecated)

Geographic Coordinate Other System Identifier [Type-2] (Deprecated)

Field ID (Mnemonic)	2.321_1 (CORD_OTHER_SYS_ID)		
Description	The identifier for the coordinate system used in the field to identify the location of the submission was collected.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Other System Identifier	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 6	DoD EBTS 3.0	Deprecated
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_14 (OSI) or xx.998_14 (OSI)>		
Sunset Reason	n/a		

Look Up Codes	GEOGRAPHIC COORDINATE CODES:
	   MGRS = Military Grid Reference System (17 Characters);
	   GARS = Global Area Reference System (7 Characters);
	   GEOREF = World Geographic Reference (12 Characters)		

Geographic Coordinate Other System Value [Type-2] (Deprecated)

Field ID (Mnemonic)	2.321_2 (CORD_OTHER_SYS_VAL)		
Description	The value of the coordinate at which the submission was collected. A MGRS coordinate is in the form of a three character grid Zone Designation, followed by a two letter grid square designator and a four, six, eight, 10 or 12 digit coordinate (e.g. 42BNG112343556789). A GARS coordinate in composed of a three digit longitudinal band designator, followed by a two letter latitudinal band designator, a one character quadrant number and a one character "key" (e.g., 006AG39). A GEOREF coordinate consists of four letters followed by up to eight numerals (e.g., MKPG12041234).		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Other System Value	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 17	DoD EBTS 3.0	Deprecated
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_15 (OCV) or xx.998_15 (OCV)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator (Deprecated)

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Universal Transverse Mercator (Deprecated)

Field ID (Mnemonic)	2.322 (CORD_UTM)		
Description	The Universal Transverse Mercator (UTM) grid coordinates at which the submission was collected. It consists of the Zone, Northing and Easting. All information items are required if this field is present. The datum for this field is indicated in Geographic Coordinate Datum Identifier.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_10 to 2.8114_12 or xx.998_10 to xx.998_12>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Zone [Type-2] (Deprecated)

Field ID (Mnemonic)	2.322_1 (CORD_UTM_ZONE)		
Description	The Universal Transverse Mercator (UTM) Zone at which the submission was collected. One or two digit UTM zone number followed by the 8 degree latitudinal band designator.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Universal Transverse Mercator Zone	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114_10 (GCM) or xx.998_10 (GCM)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Geographic Coordinate Universal Transverse Mercator (Deprecated)

Geographic Coordinate Universal Transverse Mercator Northing [Type-2] (Deprecated)

Field ID (Mnemonic)	2.322_2 (CORD_UTM_NORTH)		
Description	The Universal Transverse Mercator (UTM) Northing value at which the submission was collected. The data is in whole meters.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Universal Transverse Mercator Northing	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 8	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	in whole meters		
Legacy Derivable	n/a		
Deprecated By	<2.8114_12 (GCN) or xx.998_12 (GCN)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Easting [Type-2] (Deprecated)

Field ID (Mnemonic)	2.322_3 (CORD_UTM_EAST)		
Description	The Universal Transverse Mercator (UTM) Easting value at which the submission was collected. The data is in whole meters.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Geographic Coordinate Universal Transverse Mercator Easting	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 6	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	in whole meters		
Legacy Derivable	n/a		
Deprecated By	<2.8114_11 (GCE) or xx.998_11 (GCE)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hair Color

Type-2 User-Defined Descriptive Text Record

Hair Color

Field ID (Mnemonic)	2.032 (HAI)		
Description	In this field, the three-letter code from the [look up codes below] is used to indicate the subject's color of hair.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Biometric Subject Hair Color	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	HAIR COLOR CODES:
	  XXX = Unknown
	  BAL = Bald
	  BLK = Black
	  BLN = Blond or Strawberry
	  BRO = Brown
	  GRY = Gray or Partially Gray
	  RED = Red or Auburn
	  SDY = Sandy
	  WHI = White
	  BLU = Blue
	  GRN = Green
	  ONG = Orange
	  PNK = Pink
	  PLE = Purple		

Height (Legacy Derivable)

Field ID (Mnemonic)	2.027 (HGT)		
Description	This field contains the subject's height as a three-character value. If reported in feet and inches, the first (leftmost) digit is used to show feet while the two rightmost digits are used to show the inches between 00 and 11. If reported in inchesthenthe leftmost character is "N" followed by two digits. If height is unknown, 000 is entered. The allowable range is 400 to 711. Heights outside this range will be clamped at these limits.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Derivable
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8035 SUBJ_HGT; 2.8035_1 HGT_VAL; 2.8035_2 LEN_UNIT (FTIN = Feet & Inches or IN = Inches).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Height (Legacy Derivable)
Height Range (Legacy Derivable)

Field ID (Mnemonic)	2.028 (HTR)		
Description	This field will be used to give an estimated height range to be expressed as two three-character values formatted as described for mnemonic HGT, indicating the shortest and tallest heights of the subject. For the native encoding of this field, the first three characters shall represent the minimum height and the second three the maximum height. There shall be no separator character used between the heights. The allowable range is 400 to 711 or N48 to N95. Heights outside this range will be clamped at these limits.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	Derivable
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8035 SUBJ_HGT; 1st subfield to specify the min height: 2.8035_1 HGT_VAL; 2.8035_2 LEN_UNIT (FTIN = feet & inches or FT = feet); 2.8035_3 HGT_VLD (EST = estimated); 2nd subfield to specify the max height.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hit Type Indicator

Field ID (Mnemonic)	2.2024 (HTI)		
Description	This field will contain a code for the type of hit that generated an unsolicited notification. In the future, a fixed list of values will be created to populate this field. This field will initially be used for the UHN TOT for RISC Notifications. The value will be "RISC" for this initial use.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Identification Comments

Type-2 User-Defined Descriptive Text Record

Identification Comments

Field ID (Mnemonic)	2.056 (ICO)		
Description	Additional miscellaneous identification remarks. The reason for caution may be entered in this free-text field. The first character may not be a blank.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 250	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Capture Equipment (Legacy Derivable)

Field ID (Mnemonic)	2.067 (IMA)		
Description	This free text field is used to log the make, model, and serial number of the equipment used to acquire images. It is a grouped field, comprised of three subfields: the Make (MAK), Model (MODL), and Serial Number (SERNO) of the acquisition device, separated by the US separator character.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	2.8118 COLL_MMS and/or 13.904 MMS for Latent TOTs. 2.8118 14.904 MMS for non-Latent Fingerprint TOTs.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Image Capture Equipment (Legacy Derivable)

Originating Fingerprint Reading System Make (Legacy Derivable)

Field ID (Mnemonic)	2.067A (MAK)		
Description	The Make of the acquisition device.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 25	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8118_1 MAK and/or 13.904_1 MAK for Latent TOTs. 2.8118 14.904_1 MAK for non-Latent Fingerprint TOTs.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Originating Fingerprint Reading System Model (Legacy Derivable)

Field ID (Mnemonic)	2.067B (MODL)		
Description	The Model of the acquisition device.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 25	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8118_2 MOD and/or 13.904_2 MOD for Latent TOTs. 2.8118 14.904_2 MOD for non-Latent Fingerprint TOTs.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

BIMA
BIOMETRICS
IDENTITY
MANAGEMENT
AGENCY

Integrated Data Dictionary V5.0

Type-2 User-Defined Descriptive Text Record

Image Capture Equipment (Legacy Derivable)

Originating Fingerprint Reading System Serial Number (Legacy Derivable)

Field ID (Mnemonic)	2.067C (SERNO)		
Description	The Serial Number of the acquisition device.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8118_3 SER and/or 13.904_3 SER for Latent TOTs. 2.8118 14.904_3 SER for non-Latent Fingerprint TOTs.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Record Type Desired (Sunset)

Field ID (Mnemonic)	2.058 (ITD)		
Description	This field is used in transactions involving a request for a fingerprint image. It shall contain a single numeric indication of the type of record being returned. For example, if the requestor wishes the Type-4 record of the image, then this field should contain a '4'.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<As this field will no longer be used with the implementation of NGI, this field will be retired in the next version of FBI EBTS.>		
Look Up Codes	n/a		

Image Type [Type-2]

Type-2 User-Defined Descriptive Text Record

Image Type [Type-2]

Field ID (Mnemonic)	2.062 (IMT)		
Description	This field identifies the type of image (e.g., palmprints, toe prints) included in an electronic submittal. The list of IMT values to be used in an electronic latent submittal to identify the Type-7 or Type-13 record(s) present [is listed in the look up codes below].		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IMAGE CODES: 1 = Fingerprint (event) 2 = Lower Joint 3 = Palmprint 4 = Toe Print 5 = Foot Print 6 = Supplemental Print 7 = Latent Friction Ridge 8 = Composite Fingerprint 9 = Photo Facial 10 = Photo Scar, Mark, & Tattoo 11 = Iris 12 = Fingerprints on Front of Palm Card 13 = Fingerprints on Back of Palm Card		

Information Designation Character

Type-2 User-Defined Descriptive Text Record

Information Designation Character

Field ID (Mnemonic)	2.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-2)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Internment Serial Number

Type-2 User-Defined Descriptive Text Record

Internment Serial Number

Field ID (Mnemonic)	2.302 (ISN)		
Description	The internment serial number (ISN) is a unique identification number assigned to each EPW, RP and CI taken into the custody of the U.S. Armed Forces. The ISN will consist of three components, with the first two separated by a dash as follows: a. First Component. The first component will contain five characters. The first two will be the alpha-characters 'US'. The third character will be either the alpha or numeric designation for the command/theater under which the EPW, RP and CI came into the custody of the U.S. The fourth and fifth positions are alpha-characters designating the EPW, RP and CI serving power. b. Second Component. The second component is a six character numeric identifier. These numbers will be assigned consecutively to all EPW, RP and CI processed through ISN assigning organizations. The Branch PWIC will assign blocks of numbers to ISN assigning organization/elements in the supported theater. c. Third Component. The third component will consist of an acronym identifying the classification of the individual: either EPW, RP, or CI, to represent Enemy Prisoner of War, Retained Person, or Civilian Internee, respectively. Should an individual that was initially classified as an EPW later determined to be a medically or religiously qualified retained person, the classification may be changed to "RP"with the approval of the EPW command/brigade.		
Remarks	n/a		
Format	<1st component>-<2nd component>-<3rd component>	Source	Army Regulation 190-8
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Image Omitted Reason

Type-2 User-Defined Descriptive Text Record

Iris Image Omitted Reason

Field ID (Mnemonic)	2.8110 (IOMITTED)		
Description	Reason why the iris image (aka as Type-17 record) is not present in the associated file.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IRIS IMAGE OMMITTED REASON CODES: L = Not possible to capture left iris Z = Left eye missing R = Not possible to capture right iris X = Right eye missing B = Not possible to capture either iris A = Both eyes missing		

Iris Images Present (Deprecated)

Type-2 User-Defined Descriptive Text Record

Iris Images Present (Deprecated)

Field ID (Mnemonic)	2.336 (IRS)		
Description	This optional field indicates the presence of Type-16 records which contain iris images. This field is mandatory if one or more iris images are present, otherwise, it can be omitted. A value of "Y" indicates that there is at least one Type-16 record in the file which contains iris images. If iris images were not able to be captured because of physical characteristics of the subject (e.g., eye missing), the values "L", "R", "B" "A", "X", and "Z" may be used to indicate this. If an iris image is present along with one of these conditions, the value "A" may be combined with other values. Other combinations are also possible such as "LX".		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Deprecated
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8110 IOMITTED>		
Sunset Reason	n/a		
Look Up Codes	IRIS IMAGE PRESENT CODES: 　Y = Iris images present in Type-16(s) 　L = Not possible to capture left iris 　Z = Left eye missing 　R　= Not possible to capture right iris 　X　= Right eye missing 　B = Not possible to capture either iris 　A = Both eyes missing		

Latent Case Number Extension

Field ID (Mnemonic)	2.013 (LCX)		
Description	Defines extensions assigned by the FBI for each submission related to a Latent Case Number. The LCX shall be a five-digit extension starting with "00000" for the first submission and incrementing by one for each subsequent submission. The LCX shall be used only in conjunction with LCN.		
Remarks	Notes from FBI EBTS 9.3: With the clear definition that the LCN/LCX fields (2.012/2013) are for internal latent lab examiner use only, these fields are being removed from all appropriate messages.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Latent Case Number Extension	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	5 to 5	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

LEP Screening Document Requirement Indicator (Emerging)

Field ID (Mnemonic)	2.8505 (LEP)		
Description	An indicator for the Locally Employed Personnel (LEP) Screening Document is required for applicants for the type of badge requested.		
Remarks	As a general guideline, the LEP Screening Document is required for applicants wanting a Red, Yellow, or Orange badge; however the requirement can be overridden based on local security requirements.		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	LEP SCREENING DOCUMENT REQUIREMENT CODES:
	  Y = Required
	  N = Not Required
	  X = Unknown		

Limit of Candidates (Sunset)

Field ID (Mnemonic)	2.8204 (LIMIT_CAND)		
Description	Limit of Candidates, a value in the range 1 to 256.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Sunset
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<No requirement and there is a max of 99 for candidate lists.>		
Look Up Codes	CANDIDATE RANGE LIMIT CODES: 1 to 256 = Limit of Candidates		

Location (Deprecated)

Type-2 User-Defined Descriptive Text Record

Location (Deprecated)

Field ID (Mnemonic)	2.301 (BLO)		
Description	This optional field shall contain the location of biometric collection.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8114 COLL_LOC>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Match Score

Field ID (Mnemonic)	2.089 (MSC)		
Description	This field contains the match score from AFIS for each candidate listed in the 2.064 CAN field.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Maternal Grandfather's Name (Deprecated)

Type-2 User-Defined Descriptive Text Record

Maternal Grandfather's Name (Deprecated)

Field ID (Mnemonic)	2.325 (MAT_FATHER_NAME)		
Description	This optional field contains the subject's Maternal Grandfather's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX (M=Male); 2.8038_2 IASSOC_ROLE (2=Maternal Grandparent); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Military Association (Emerging)

Field ID (Mnemonic)	TBD		
Description	The military branch that the subject is affiliated with. The set consists of the country that the military branch belongs in, the name of the military branch, the subject's rank/grade, and an indicator regarding if the subject is active or inactive in the military branch.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Military Association (Emerging)

Military Branch Country Code (Emerging)

Field ID (Mnemonic)	TBD		
Description	The country the military branch belongs in.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Military Branch Name (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the military branch that the subject belongs in.		
Remarks	E.G. Army, Navy, Air Force, Marine Corps. If this does not apply, then enter "Unknown".		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rank Grade Code (Emerging)

Field ID (Mnemonic)	TBD		
Description	The military rank or civilian rank of the person.		
Remarks	Rank/Grade Codes of the Military Branch of the Country indicated.		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		

UNCLASSIFIED

Type-2 User-Defined Descriptive Text Record

Military Association (Emerging)

Rank Grade Code (Emerging)

Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a
Look Up Codes	OTHER NON-US MILITARY RANK/GRADE CODES: <TBD> = <To be determined.> US AIR FORCE RANK/GRADE CODES: E1 = E1 E2 = Airman E3 = Airman First Class E4 = Senior Airman E5 = Staff Sergeant E6 = Technical Sergeant E7 = Master Sergeant, First Sergeant E8 = Senior Master Sergeant, First Sergeant E9 = Chief Master Sergeant, First Sergeant, Command Chief Master Sergeant, Chief Master Sergeant of the Air Force O1 = Second Lieutenant O2 = First Lieutenant O3 = Captain O4 = Major, Lieutenant O5 = Lieutenant Colonel O6 = Colonel O7 = Brigadier General O8 = Major General O9 = Lieutenant General O10 = General US ARMY RANK/GRADE CODES: E1 = E1 E2 = Private E2 E3 = Private First Class E4 = Specialist, Corporal E5 = Sergeant E6 = Staff Sergeant E7 = Sergeant First Class E8 = Master Seargeant, First Sergeant E9 = Sergeant Major, Command Sgt Major, or Sergeant Major of the Army W1 = Warrant Officer 1 W2 = Chief Warrant Officer 2 W3 = Chief Warrant Officer 3 W4 = Chief Warrant Officer 4 W5 = Chief Warrant Officer 5 O1 = Second Lieutenant O2 = First Lieutenant O3 = Captain O4 = Major, Lieutenant O5 = Lieutenant Colonel O6 = Colonel O7 = Brigadier General O8 = Major General O9 = Lieutenant General O10 = General US DOD ADDITIONAL RANK/GRADE CODES: CNTR = Contractor CIV = Civilian TIER1 = TIER1 - Test Code TIER2 = TIER2 - Test Code US MARINE CORPS RANK/GRADE CODES: E1 = E1 E2 = Private First Class E3 = Lance Corporal E4 = Corporal

Type-2 User-Defined Descriptive Text Record

Military Association (Emerging)

Rank Grade Code (Emerging)

E5 = Sergeant
E6 = Staff Sergeant
E7 = Gunnery Sergeant
E8 = Master Sergeant, First Sergeant
E9 = Sergeant Major, Master Gunnery Sergeant, Sergeant Major of the Marine Corps
W1 = Warrant Officer 1
W2 = Chief Warrant Officer 2
W3 = Chief Warrant Officer 3
W4 = Chief Warrant Officer 4
W5 = Chief Warrant Officer 5
O1 = Second Lieutenant
O2 = First Lieutenant
O3 = Captain
O4 = Major, Lieutenant
O5 = Lieutenant Colonel
O6 = Colonel
O7 = Brigadier General
O8 = Major General
O9 = Lieutenant General
O10 = General
US NAVY RANK/GRADE CODES:
E1 = E1
E2 = Seaman Apprentice
E3 = Seaman
E4 = Petty Officer Third Class
E5 = Petty Officer Second Class
E6 = Petty Officer First Class
E7 = Chief Petty Officer
E8 = Senior Chief Petty Officer
E9 = Master Chief Petty Officer, Fleet/Command Master Chief Petty Officer, Master Chief Petty Officer of the Navy
W1 = Warrant Officer 1
W2 = Chief Warrant Officer 2
W3 = Chief Warrant Officer 3
W4 = Chief Warrant Officer 4
W5 = Chief Warrant Officer 5
O1 = Ensign
O2 = Lieutenant Junior Grade
O3 = Lieutenant
O4 = Lieutenant Commander
O5 = Commander
O6 = Captain
O7 = Rear Admiral Lower Half
O8 = Rear Admiral Upper Half
O9 = Vice Admiral
O10 = Admiral
O11 = Fleet Admiral

Type-2 User-Defined Descriptive Text Record

Military Association (Emerging)

Military Active Indicator (Emerging)

Field ID (Mnemonic)	TBD		
Description	Indicator whether the subject is active or inactive in the associated military.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ACTIVE INDICATION CODES:
	  Y = Active
	  N = Inactive		

Military Code

Field ID (Mnemonic)	2.042 (MIL)		
Description	A one-letter code from the following table shall be entered in this field to indicate which branch of the United States Military submitted the enlistment transaction.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MILITARYCODES:
	  A = Army
	  F = Air Force
	  N = Navy
	  M = Marine Corps
	  G = Coast Guard		

Miscellaneous Identification Number (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Miscellaneous Identification Number (Legacy Derivable)

Field ID (Mnemonic)	2.017 (MNU)		

Description	If there are any miscellaneous identification numbers, they shall be entered in this field. The format of the data shall be a two-letter identifying code, followed by a hyphen (-), followed by the number itself. See look up type and associated codes for the list of acceptable two-letter identifying codes. If "AF" or "AS" is entered, all characters following the hyphen must be numeric. Interspersed blanks are invalid. Types of numbers not listed in the following table (such as driver's license) shall not be entered. Only U. S. passport numbers shall be entered; foreign numbers shall be ignored. The size of the MNU is limited to 15 characters and as many as four miscellaneous numbers may be included in this field. Each MNU shall be separated from the next by the R S separator character.
	
	Two identifying letters are:
	  AF = Air Force Serial Number
	  AR = Alien Registration Number
	  AS = Air National Guard Serial Number, Army Serial Number, National Guard Serial Number
	  BF = Bureau Fugitive Index Number
	  CI = Canadian Social Insurance Number
	  CG = U. S. Coast Guard Serial Number
	  IO = Identification Order Number
	  MC = Marine Corps Serial Number
	  MD = Mariner's Document or Identification Number
	  MP = RCMP Identification or Fingerprint Section Number
	  NA = National Agency Case Number
	  NS = Navy Serial Number
	  PP = Passport Number (U.S. Only)
	  PS = Port Security Card Number
	  SS = Selective Service Number
	  VA = Veterans Administration Claim Number		

Remarks	For the list of 2 letter identifying code, see look up codes below.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 15	DoD EBTS 3.0	Derivable
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	2.8019 COL_IDENT; 2.8019_1 CITYP (dependent on the two-letter identifying code); 2.8019_2 CIID.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Mother's Name (Deprecated)

Type-2 User-Defined Descriptive Text Record

Mother's Name (Deprecated)

Field ID (Mnemonic)	2.324 (MOTHER_NAME)		
Description	This optional field contains the subject's Mother's Name.		
Remarks	n/a		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 80	**DoD EBTS 3.0**	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX (F=Female); 2.8038_2 IASSOC_ROLE (1=Parent); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name (Legacy Derivable)

Field ID (Mnemonic)	2.018 (NAM)		
Description	This alpha-special field contains the name(s) of the subject. The format shall be the surname followed by a comma (,) followed by the given name(s), which are separated by a space. Part IV of the NCIC Code Manual describes in greater detail the manner in which each name is to be entered. Hyphens, commas, and blanks are all allowed as special characters. Numerics are not allowed. Special values of NAM to be entered in cases where the subject's name is not known are: Condition Name Field Value -------------------- ------------------------ Amnesia Victim UNKNOWN AMNESIA,XX‖ Unknown Deceased UNKNOWN DECEASED,XX‖ Name Not Available (Other) "DOE,JOHN" or "DOE,JANE"		
Remarks	n/a		
Format	NCIC Name Format: <surname>,<given name1> <given name2> ...	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 30	**DoD EBTS 3.0**	Derivable
Char Types	ANS		
Special Chars	Blank,Comma,Hyphen		
Value Constraints	n/a		
Legacy Derivable	2.8030 SUBJ_NAME; 2.8030_1 NAM1 + ',' + 2.8030_2 NAM2 + ' ' + 2.8030_3 NAM3. (Truncate to first 30 characters).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name-Four (Deprecated)

Type-2 User-Defined Descriptive Text Record

Name-Four (Deprecated)

Field ID (Mnemonic)	2.314 (NAM4)		
Description	This optional field shall accommodate long names and would generally include the tribe name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8030 SUBJ_NAM; 2.8030_4 NAM4>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name of Designated Repository

Type-2 User-Defined Descriptive Text Record

Name of Designated Repository

Field ID (Mnemonic)	2.098 (NDR)		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DESIGNATED REPOSITORY NAME CODES:
	  1 = FBI Criminal Master File Records
	  2 = FBI Civil Records
	  3 = FBI Unsolved Latent File
	  4 = FBI Major Case File Records
	  5 = FBI Latent Image File Records
	  6 = FBI Repository for Individuals of Special Concern (RISC)
	  7 = Canada Real Time Identification (RTID)
	  8 = DoD Automated Biometric Identification System (ABIS)
	  9 = DHS IDENT/US-VISIT
	  10 = International Terrorist File (ITF) Participants
	  11 = RISC Wants and Warrants (W&W)
	  12 = RISC Sexual Offender Registry (SOR)
	  13 = RISC Known and Suspected Terrorist (KST)
	  14 = RISC International Terrorist File (ITF)
	  15 = RISC Persons of Special Interest (Other)
	  16 – 19 = Reserved for FBI Future Use
	  20 - 50 = Reserved for Department of Defense
	  51 - 100 = Reserved for FBI Future Use
	  101-125 = FBI Special Population Cognizant Files
	  126-135 = Other Federal Organization Special Population Cognizant Files
	  136 - 199 = Reserved for FBI Future Use
	  200 - 399 = Reserved for State/Local System
	  400 - 999 = Reserved for FBI Future Use		

Name of Latent Submitter (Deprecated)

Type-2 User-Defined Descriptive Text Record

Name of Latent Submitter (Deprecated)

Field ID (Mnemonic)	2.320 (LATENT_SUB)		
Description	This field contains the name of the latent submitter. The surname should be entered first, separated by a comma and followed by the given name(s), which is separated by a space. This field should contain an alpha string of no more than 100 characters. Commas, hyphens, and blanks are allowed as special characters.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 100	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Blank,Comma,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8104 OPER; 2.8104_2 OPER_ROLE (LS = Latent Submitter); 2.8104_7 NAM1; 2.8104_8 NAM2; 2.8104_9 NAM3; 2.8104_10 NAM4; 2.8104_11 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name of Latent Technician (Deprecated)

Field ID (Mnemonic)	2.319 (LATENT_TECH)		
Description	This field contains the name of the latent technician (i.e., lifter or latent processor). The surname should be entered first, separated by a comma and followed by the given name(s), which is separated by a space. This field should contain an alpha string of no more than 100 characters. Commas, hyphens, and blanks are allowed as special characters.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 100	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Blank,Comma,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8115 OPER; 2.8115_2 OPER_ROLE (LT = Latent Technician); 2.8115_7 NAM1; 2.8115_8 NAM2; 2.8115_9 NAM3; 2.8115_10 NAM4; 2.8115_11 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name-One (Deprecated)

Type-2 User-Defined Descriptive Text Record

Name-One (Deprecated)

Field ID (Mnemonic)	2.311 (NAM1)		
Description	This optional field shall accommodate long names and would generally include the last name or family name (surname).		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8030 SUBJ_NAM; 2.8030_1 NAM1>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name-Three (Deprecated)

Field ID (Mnemonic)	2.313 (NAM3)		
Description	This optional field shall accommodate long names and would generally include the middle name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8030 SUBJ_NAM; 2.8030_3 NAM3>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name-Two (Deprecated)

Type-2 User-Defined Descriptive Text Record

Name-Two (Deprecated)

Field ID (Mnemonic)	2.312 (NAM2)		
Description	This optional field shall accommodate long names and would generally include the first name or given name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8030 SUBJ_NAM; 2.8030_2 NAM2>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Nationality (Deprecated)

Field ID (Mnemonic)	2.333 (NAT)		
Description	This optional field contains the subject's nationality.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Blank,Comma,Dash		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8007 SUBJ_CTZ and/or 2.8033 SUBJ_POB>		
Sunset Reason	n/a		
Look Up Codes	n/a		

NCIC Fingerprint Classification

Type-2 User-Defined Descriptive Text Record

NCIC Fingerprint Classification

Field ID (Mnemonic)	2.033 (FPC)		
Description	If available, the NCIC fingerprint classification will be returned in the FBI's responses to latent submissions. The NCIC FPC is comprised of 20 characters. Two characters represent each finger as follows: Positions Finger ------------ ----------- 1 and 2 Right thumb 3 and 4 Right index 5 and 6 Right middle 7 and 8 Right ring 9 and 10 Right little 11 and 12 Left thumb 13 and 14 Left index 15 and 16 Left middle 17 and 18 Left ring 19 and 20 Left little The patterns [listed in the lookup codes below] may be placed in the positions identified in the above table.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	20 to 20	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	NCIC FINGERPRINT CLASSIFICATION CODES:
	  AA = Arch - Plain Arch
	  TT = Arch - Tented Arch
	  2 numeric characters = Loop - Radial Loop. Determine actual ridge count and add fifty (50)
	  2 numeric characters = Loop - Ulnar Loop. Indicating actual ridge count. If ridge count is less than 10, precede the count with a zero (0)
	  PI = Whorl - Plain Whorl/Inner Tracing
	  PM = Whorl - Plain Whorl/Meeting Tracing
	  PO = Whorl - Plain Whorl/Outer Tracing
	  CI = Whorl - Central Pocket Loop/Inner Tracing
	  CM = Whorl - Central Pocket Loop/Meeting Tracing
	  CO = Whorl - Central Pocket Loop/Outer Tracing
	  DI = Whorl - Double Loop/Inner Tracing
	  DM = Whorl - Double Loop/Meeting Tracing
	  DO = Whorl - Double Loop/Outer Tracing
	  XI = Whorl - Accidental/Inner Tracing
	  XM = Whorl - Accidental/Meeting Tracing
	  XO = Whorl - Accidental/Outer Tracing
	  XX = Missing or Amputated Finger
	  SR = Completely Scarred or Mutilated Pattern		

Note Field

Type-2 User-Defined Descriptive Text Record

Note Field

Field ID (Mnemonic)	2.088 (NOT)		
Description	This free-text field is used to provide additional information regarding electronic latent submissions. For latent search identification results feedback, the NOT field will be used to indicate the candidate from the SRL that matched the search image. For ULM transactions, the NOT field will provide information related to latent search images that are candidates for comparison with the unsolved latent (e.g., case-related identifiers or point of contact information). For UHN transactions, the NOT field will contain case related information about the search transaction with the hit that generated the unsolicited notification.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Latent Submission Comment	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1,000	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Number of Candidates' Images Returned

Field ID (Mnemonic)	2.079 (NCR)		
Description	This field contains the maximum number of candidate the submitter desires to receive in response to a latent image or features search. For EQRR, this field identifies the number of Identity History Summary report that will be returned in response to an EQHR. If this field is blank, then the default value is currently 20.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Number of Candidate Images Returned	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	CANDIDATE IMAGE RETURNED RANGE CODES: 　1 to 20 = Number of Candidate Images Returned		

Number of Images Requested

Type-2 User-Defined Descriptive Text Record

Number of Images Requested

Field ID (Mnemonic)	2.2010 (NIR)		
Description	This optional field is used in conjunction with a Subject Photo Request (TOT = CPR) to indicate if more than one photo is being requested (e.g., for tattoos) (see Appendix K). The default value, if not provided, will be "1." This field will also be included in the investigation searches to indicate how many images to be returned in the response. If this field is blank, the default value is 1. This field will also be included in the investigation searches to indicate how many images to be returned in the response. If this field is blank, the default value is 1.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	0 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Occupation

Field ID (Mnemonic)	2.040 (OCP)		
Description	This free-text field contains the person's occupation. The OCP returned in a response is the same as the one submitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Biometric Subject Occupation	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Offense Category

Type-2 User-Defined Descriptive Text Record

Offense Category

Field ID (Mnemonic)	2.053 (OFC)		
Description	The category for a crime committed by the biometric subject. This field shall contain a "1" for a crime categorized as personal, a "2" for a crime categorized as property, and a "3" for a crime categorized as both.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Offense Category	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FBI OFFENSE CATEGORY CODES:
	  1 = Personal
	  2 = Property
	  3 = Both		

Operational Personnel

Field ID (Mnemonic)	2.8115 (OPER)		
Description	This set of fields shall identify the name information, contact information, unit/organization, role, rank/grade, identification type and the identification identifier of the personnel assigned to specific day-to-day responsibility for program activities.		
Remarks	This field was previously 2.8104 OPER in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been restructured and a new Field ID 2.8115 has been assigned in DoD EBTS 3.0. This field continues to support the operational personnel unit/org, role, rank/grade, US person indicator, identifier type, identifier, name, contact phone and email.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	13	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Operational Personnel Unit/Organization

Field ID (Mnemonic)	2.8115_1 (OPORG)		
Description	The name or identifier for the operational unit or organization the Operational Personnel belongs to.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Operational Personnel Role

Field ID (Mnemonic)	2.8115_2 (OPRL)		
Description	The role of the Operational Personnel.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	OPERATION PERSONNEL ROLE CODES: AO = ABIS Operator RA = Requesting Authority AA = Approval Authority EN = Enroller LS = Latent Submitter LT = Latent Technician SR = Screener SP = Sponsor BC = Biometric Sample Collector		

Rank Grade Code

Field ID (Mnemonic)	2.8115_3 (RANK)		
Description	The military rank or civilian rank of the person.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Rank Grade Code

Num Chars	1 to 20	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	OTHER NON-US MILITARY RANK/GRADE CODES: <TBD> = <To be determined.> US AIR FORCE RANK/GRADE CODES: E1 = E1 E2 = Airman E3 = Airman First Class E4 = Senior Airman E5 = Staff Sergeant E6 = Technical Sergeant E7 = Master Sergeant, First Sergeant E8 = Senior Master Sergeant, First Sergeant E9 = Chief Master Sergeant, First Sergeant, Command Chief Master Sergeant, Chief Master Sergeant of the Air Force O1 = Second Lieutenant O2 = First Lieutenant O3 = Captain O4 = Major, Lieutenant O5 = Lieutenant Colonel O6 = Colonel O7 = Brigadier General O8 = Major General O9 = Lieutenant General O10 = General US ARMY RANK/GRADE CODES: E1 = E1 E2 = Private E2 E3 = Private First Class E4 = Specialist, Corporal E5 = Sergeant E6 = Staff Sergeant E7 = Sergeant First Class E8 = Master Seargeant, First Sergeant E9 = Sergeant Major, Command Sgt Major, or Sergeant Major of the Army W1 = Warrant Officer 1 W2 = Chief Warrant Officer 2 W3 = Chief Warrant Officer 3 W4 = Chief Warrant Officer 4 W5 = Chief Warrant Officer 5 O1 = Second Lieutenant O2 = First Lieutenant O3 = Captain O4 = Major, Lieutenant O5 = Lieutenant Colonel O6 = Colonel O7 = Brigadier General O8 = Major General O9 = Lieutenant General O10 = General US DOD ADDITIONAL RANK/GRADE CODES: CNTR = Contractor CIV = Civilian TIER1 = TIER1 - Test Code TIER2 = TIER2 - Test Code

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Rank Grade Code

US MARINE CORPS RANK/GRADE CODES:
E1 = E1
E2 = Private First Class
E3 = Lance Corporal
E4 = Corporal
E5 = Sergeant
E6 = Staff Sergeant
E7 = Gunnery Sergeant
E8 = Master Sergeant, First Sergeant
E9 = Sergeant Major, Master Gunnery Sergeant, Sergeant Major of the Marine Corps
W1 = Warrant Officer 1
W2 = Chief Warrant Officer 2
W3 = Chief Warrant Officer 3
W4 = Chief Warrant Officer 4
W5 = Chief Warrant Officer 5
O1 = Second Lieutenant
O2 = First Lieutenant
O3 = Captain
O4 = Major, Lieutenant
O5 = Lieutenant Colonel
O6 = Colonel
O7 = Brigadier General
O8 = Major General
O9 = Lieutenant General
O10 = General
US NAVY RANK/GRADE CODES:
E1 = E1
E2 = Seaman Apprentice
E3 = Seaman
E4 = Petty Officer Third Class
E5 = Petty Officer Second Class
E6 = Petty Officer First Class
E7 = Chief Petty Officer
E8 = Senior Chief Petty Officer
E9 = Master Chief Petty Officer, Fleet/Command Master Chief Petty Officer, Master Chief Petty Officer of the Navy
W1 = Warrant Officer 1
W2 = Chief Warrant Officer 2
W3 = Chief Warrant Officer 3
W4 = Chief Warrant Officer 4
W5 = Chief Warrant Officer 5
O1 = Ensign
O2 = Lieutenant Junior Grade
O3 = Lieutenant
O4 = Lieutenant Commander
O5 = Commander
O6 = Captain
O7 = Rear Admiral Lower Half
O8 = Rear Admiral Upper Half
O9 = Vice Admiral
O10 = Admiral
O11 = Fleet Admiral

Type-2 User-Defined Descriptive Text Record

Operational Personnel

US Person Indicator

Field ID (Mnemonic)	2.8115_4 (USIND)		
Description	The indicator of whether an individual is a citizen of the United States, an alien lawfully admitted for permanent residence in the United States, or a member of the U.S. Armed Forces.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Operational Personnel Identifier Type

Field ID (Mnemonic)	2.8115_5 (OPIDCATCD)		
Description	The type of unique identifier of the Operational Personnel, such as Social Security Number.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 7	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	UNIQUE IDENTIFIER CODES:
	  SSN = Social Security Number
	  EDIPI = EDIPI
	  DOD = DoD Number
	  BATGUID = BAT Global Unique Identifier
	  DBIDS = DBIDS Identifier		

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Operational Personnel Identifier

Field ID (Mnemonic)	2.8115_6 (OPID)		
Description	The value of the unique identifier of the Operational Personnel, such as Social Security Number.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - One

Field ID (Mnemonic)	2.8115_7 (NAM1)		
Description	The last name, surname or the family name of the person. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nasab name, a patronymic or series of patronymics.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Name - Two

Field ID (Mnemonic)	2.8115_8 (NAM2)		
Description	The personal name of a person. It is typically the first name in western culture. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Ism name, the main name of an Arab person; his or her personal name (e.g. "Kareem" or "Fatimah").		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Three

Field ID (Mnemonic)	2.8115_9 (NAM3)		
Description	The middle name of a person. It is placed between the first given name and the surname. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Kunya name, the person's first-born son is used as a substitute for the ism.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Name - Four

Field ID (Mnemonic)	2.8115_10 (NAM4)		
Description	A name of a person to represent a the fourth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fourth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Nisbah name, describes a person's occupation, geographic home area, or descent (tribe, family, etc.).		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Name - Five

Field ID (Mnemonic)	2.8115_11 (NAM5)		
Description	A name of a person to represent a the fifth name for a culture using four or five names (e.g., a tribal or village name.) It will be given the ranking of fifth importance of naming in the culture from which the person is associated. Enter "UNKNOWN" if this information item is required and not available at the time of collection.		
Remarks	Can be mapped to the Arabic Laqab name, intended as a description of the person. Also can be used for the honorific title.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Operational Personnel

Phone Number

Field ID (Mnemonic)	2.8115_12 (PHNUM)		
Description	The full telephone number including international country code and area code. Space and hypen are allowed.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Blank,Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Email Address

Field ID (Mnemonic)	2.8115_13 (EMAIL)		
Description	Identifies an email box to which email messages are delivered. Application Profile might be more specific to what characters are allowed to be entered for the email address.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 254	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Originating Agency Case Number

Type-2 User-Defined Descriptive Text Record

Originating Agency Case Number

Field ID (Mnemonic)	2.009 (OCA)		
Description	This field contains the one-to-twenty character Originating Agency Case Identifier (OCA) assigned by the originating agency. This alphanumeric-special (ANS) field may contain any printable 7-bit ASCII character with the exception of the period (.). The OCA must not begin with a blank.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 20	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any - except for for period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Palmprint Image Omitted Reason

Field ID (Mnemonic)	2.8112 (POMITTED)		
Description	Reason why the palm image (aka as Type-15 record) is not present in the associated file.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	PALMPRINT MISSING REASON CODES:
	  L = Not possible to capture left palm
	  Z = Left palm missing
	  R = Not possible to capture right palm
	  X = Right palm missing
	  B = Not possible to capture either palm
	  A = Both palms missing		

Palmprints Available Indicator

Type-2 User-Defined Descriptive Text Record

Palmprints Available Indicator

Field ID (Mnemonic)	2.035 (PPA)		
Description	If palm prints are available, this field shall contain a "Y"; otherwise, the field shall be omitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Palm Prints Available Indicator	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	PALM PRINT AVAILABLE INDICATOR CODES: Y = Yes		

Passport Information (Deprecated)

Field ID (Mnemonic)	2.304 (PAS)		
Description	This optional field contains the subject's passport information. All five subfields must be completed if this field is used.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8019 COL_IDENT; 2.8019_1 COL_TYP (PASS = Passport Information)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Passport Information (Deprecated)

Passport Date Issued (Deprecated)

Field ID (Mnemonic)	2.304_1 (PAS_DATEISSUE)		
Description	This field contains the date the subject's passport was issued. The format for this field is YYYYMMDD.		
Remarks	n/a		
Format	YYYYMMDD	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	Passport Information. Record type: 2 Deprecated by: <2.8019 COL_IDENT; 2.8019_1 COL_IDENT_TYP (PASS = Passport Information); 2.8019_4 COL_IDENT_ISSDT>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Passport Date Expires (Deprecated)

Field ID (Mnemonic)	2.304_2 (PAS_DATEEXP)		
Description	This field contains the date the subject's passport expires. The format for this field is YYYYMMDD.		
Remarks	n/a		
Format	YYYYMMDD	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	Passport Information. Record type: 2 Deprecated by: <2.8019 COL_IDENT; 2.8019_1 COL_IDENT_TYP (PASS = Passport Information); 2.8019_5 COL_IDENT_EXPDT>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Passport Information (Deprecated)

Passport Number (Deprecated)

Field ID (Mnemonic)	2.304_3 (PAS_NUMBER)		
Description	This field contains the subject's passport number.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	Passport Information. Record type: 2 Deprecated by: <2.8019 COL_IDENT; 2.8019_1 COL_IDENT_TYP (PASS = Passport Information); 2.8019_2 COL_IDENT_ID>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Country of Passport Issuance (Deprecated)

Field ID (Mnemonic)	2.304_4 (PAS_COUNTRY)		
Description	This field contains the name of the country from which the subject's passport was issued. Entry must be a valid country code as noted in the EFTS.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Deprecated
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	Passport Information. Record type: 2 Deprecated by: <2.8019 COL_IDENT; 2.8019_1 COL_IDENT_TYP (PASS = Passport Information); 2.8019_3 COL_IDENT_ISSORG>		
Sunset Reason	n/a		
Look Up Codes	NCIC COUNTRY/STATE CODES: NCIC POB Code = Code Table POB in Part VI of the NCIC Code		

Type-2 User-Defined Descriptive Text Record

Passport Information (Deprecated)

Location of Passport Issuance (Deprecated)

Field ID (Mnemonic)	2.304_5 (PAS_LOC)		
Description	This field contains the name of the location of passport issuance.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	Passport Information. Record type: 2 Deprecated by: <2.8019 COL_IDENT; 2.8019_1 COL_IDENT_TYP (PASS = Passport Information); 2.8019_6 COL_IDENT_ISSOFF>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Paternal Grandfather's Name (Deprecated)

Field ID (Mnemonic)	2.326 (PAT_FATHER_NAME)		
Description	This optional field contains the subject's Paternal Grandfather's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX (M=Male); 2.8038_2 IASSOC_ROLE (3=Paternal Grandparent); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pattern Level Classifications

Type-2 User-Defined Descriptive Text Record

Pattern Level Classifications

Field ID (Mnemonic)	2.034 (PAT)		
Description	This grouped field contains information about the finger(s) pattern types. It is comprised of two subfields, Finger Number (FGP), and Pattern Classification Code (PATCL). The two-character finger position code followed by the US separator and the primary pattern type code as chosen from the associated codes from the look up type. Up to two reference pattern classifications per finger are also allowed, thereby making the total number of pattern classes allowable per finger equal to three. If multiple pattern types are used for reference for the same finger, they shall be separated from each other by the US separator. Multiple fingers shall be separated by the RS separator. If submitting a Latent Fingerprint whose actual finger position is unknown, the PAT and FGP (2.074) fields are used in conjunction as follows to supply guesses for which finger position the Latent print might be: place a "00" in the FGP subfield of PAT to indicate the actual position is unknown; place the actual pattern in the PATCL subfield; place one or more finger number guesses in the FGP field (2.074).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Pattern Level Classifications

Finger Number

Field ID (Mnemonic)	2.034A (FGP)		
Description	This two-byte field shall contain a character designating the finger position.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT TEN FINGER NUMBER PLUS UNKNOWN CODES: 00 = Unknown 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger		

Pattern Classification Code

Field ID (Mnemonic)	2.034B (PATCL)		
Description	The list of acceptable CJIS pattern level fingerprint classifications.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Pattern Classification	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT CJIS PATTERN CLASSIFICATION CODES: AU = Arch (type not designated) LS = Left slant loop RS = Right slant loop WU = Whorl (type not designated) SR = Complete scar XX = Partial print due to amputation UC = Unable to classify UP = Unable to print (e.g. bandaged)		

Type-2 User-Defined Descriptive Text Record

Pattern Level Classifications

Penetration Query Response

Field ID (Mnemonic)	2.078 (PEN)		
Description	This field provides a response to the penetration query that includes a set of search parameters for a new search. The response will be an estimated size, in percentage, of the repository that will be searched given the input parameters.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Person Type Designator (Legacy Derivable)

Field ID (Mnemonic)	2.063 (PTD)		
Description	This field is used in the submittal of comparison fingerprints, and it indicates that the fingerprints belong to a victim, suspect, individual with legitimate access to the object, or other individuals involved in the latent case.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.310 PER_TYPE (S = SUSPECT, V= VICTIM, E = Eliminiation, O = OTHER, all other codes set to O for OTHER).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	PERSON DESIGNATION CODES: S = Suspect V = Victim E = Elimination O = Other		

Photo Available Indicator (Sunset)

Type-2 User-Defined Descriptive Text Record

Photo Available Indicator (Sunset)

Field ID (Mnemonic)	2.036 (PHT)		
Description	If a photograph of the subject is available, this field shall contain a "Y"; otherwise, the field shall be omitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<As NGI expands its support with new fields, this field will retired in upcoming versions of FBI EBTS.>		
Look Up Codes	PHOTO AVAILABLE INDICATOR CODES: Y = Yes		

Place of Birth (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Place of Birth (Legacy Derivable)

Field ID (Mnemonic)	2.020 (POB)		
Description	The subject's place of birth shall be entered in this field. Indicate in this POB field the state (Mexican, United States), territorial possession, province (Canadian), or country of birth. The appropriate two-letter abbreviation shall be used as listed in Part IV of the NCIC State and Country Data Code Table. The criteria listed below shall also be considered when assigning POB. If the following condition exists: Enter Code POB stated as state AND country and applicable code not contained in Code Table; OR city can be ascertained as not being located in the United States; OR foreign POB and applicable code not contained in Code Table YY POB stated as only city AND city can be ascertained as being located in the United States US POB is Mexico or any Mexican state or province not in Code Table MM POB is —Mexico, Mexicoll MX POB is unknown XX		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	2 to 2	**DoD EBTS 3.0**	Derivable
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8033 SUBJ_POB; 2.8033_3 CTRY (translate from ISO 3166 Alpha3 to NCIC Country Code).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NCIC COUNTRY/STATE CODES: NCIC POB Code = Code Table POB in Part VI of the NCIC Code		

Previous Transaction Identification (Emerging)

Type-2 User-Defined Descriptive Text Record

Previous Transaction Identification (Emerging)

Field ID (Mnemonic)	TBD		
Description	The set shall contain a transaction identifier from an earlier submission. One usage might be to obtain the current transaction status. Another usage might be to request cancellation of the transaction. Different types of identifiers might be used to reference the transaction.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Previous Transaction Identifier	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Previous Transaction Identifier Type (Emerging)

Field ID (Mnemonic)	TBD		
Description	The category of the identifier (such as TCN, EncounterID, etc.) used to identify a previous transaction.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Previous Transaction Identification (Emerging)

Previous Transaction Identifier (Emerging)

Field ID (Mnemonic)	TBD		
Description	The value of the identifier used to identify a previous transaction.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	Previous Transaction Identifier Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Print Position Descriptors [Type-2]

Field ID (Mnemonic)	2.2030 (PPD)		

Description	This field will be present if and only if the finger position code "19" appears in Field 2.074. This field will consist of two mandatory information items:
	  The first is the probable integer finger position code (0-10) taken from finger position table.
	  The second information item is the code taken from Table P-1, found in Appendix P of FBI EBTS 9.3, to indicate the portion of the EJI or tip image that is a part of the transaction.		

Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Generalized Position

Field ID (Mnemonic)	2.2030A (FGP)		
Description	This field is used in Record types dealing with friction ridges. It specifies which friction ridge biometric sample was collected.		
Remarks	Use finger position code (0-10).		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Finger Position	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No

Type-2 User-Defined Descriptive Text Record

Print Position Descriptors [Type-2]

Friction Ridge Generalized Position

Num Chars	1 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	0 <= FGP <= 10; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-2 User-Defined Descriptive Text Record

Print Position Descriptors [Type-2]

Friction Ridge Generalized Position

Look Up Codes	2-FINGER COMBINATIONS:
	  40 = Right index/middle
	  41 = Right Middle/Ring
	  42 = Right Ring/Little
	  43 = Left Index/Middle
	  44 = Left Middle/Ring
	  45 = Left Ring/Little
	  46 = Right index/ Left index
	3-FINGER COMBINATIONS:
	  47 = Right Index/Middle/Ring
	  48 = Right Middle/Ring/Little
	  49 = Left Index/Middle/Ring
	  50 = Left Middle/Ring/Little
	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm

Type-2 User-Defined Descriptive Text Record

Print Position Descriptors [Type-2]

Finger Image Code

Field ID (Mnemonic)	2.2030B (FIC)
Description	The second information item of the Search Position Descriptors (SPD) field to indicate the portion of the database to search. Full-length finger joint images use codes FV1 through FV4. Figure 2 is an illustration of the Entire Joint Image for a middle finger with each of the full finger views and constituent parts identified. Multiple portions of the EJI may be listed in a separate subfield.
Remarks	Only EJI, TIP, FV1, FV2, FV3, FV4, PRX, DST, MED are allowed.

Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	EJI/Tip Image Type	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 3	**DoD EBTS 3.0**	No

Char Types	AN
Special Chars	None
Value Constraints	see Table P-1 Print Codes from FBI EBTS 9.3.
Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a
Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FIC ONLY: 　EJI = Entire Joint Image JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC ONLY: 　NA = Only a proximal, distal or medial segment is available JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC OR FIC: 　TIP = Rolled Tip 　FV1 = Full Finger Rolled Image 　FV2 = Full Finger Plain Image – left side 　FV3 = Full Finger Plain Image – center 　FV4 = Full Finger Plain Image – right side JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS ONLY: 　NA = Image portion refers to a full finger view, tip or to the entire joint image locations JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS OR FIC: 　PRX = Proximal 　DST = Distal Segment 　MED = Medial Segment

Priority [Latent Search]

Type-2 User-Defined Descriptive Text Record

Priority [Latent Search]

Field ID (Mnemonic)	2.076 (PRI)		
Description	This field shall indicate the priority of a latent search (from 1 to 3, with 1 being the highest priority). The priority levels will generally correspond to the following crime types in descending order of priority. 1. Homicide, rape, and special circumstances 2. Kidnap, assault, and robbery 3. Arson, drugs, personal crimes, and property crimes Federal agencies will determine their own priority schemes. No additional validation of priorities will be provided. CJIS will not interrupt searches in progress upon receipt of higher priority searches.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Latent Search Priority	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT LATENT SEARCH PRIORITY CODES:
	  1 = Highest Priority
	  2 = Second Priority
	  3 = Third Priority		

Project Name (Emerging)

Field ID (Mnemonic)	2.8507 (PROJ)		
Description	The name of the project under which employment access is being requested.		
Remarks	n/a		
Format	n/a	Source	Developed for Base Access capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 30	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Query Depth of Detail (Sunset)

Type-2 User-Defined Descriptive Text Record

Query Depth of Detail (Sunset)

Field ID (Mnemonic)	2.004 (QDD)		
Description	This field is used to define the scope of the Latent Queue Management Query. The defined levels can be at the state level (S), at the ORI level (O), or at the Case level (C).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<This field has been retired by FBI EBTS 9.3.>		
Look Up Codes	n/a		

Race (Legacy Derivable)

Field ID (Mnemonic)	2.025 (RAC)		
Description	This field is used to indicate the race of the subject. Use the predominant race code from the [look up codes].		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Derivable
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8008 SUBJ_RAC (see remark for translation rule).		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	RACE CODES:
	  A = Chinese, Japanese, Filipino, Korean, Polynesian, Indian, Indonesian, Asian Indian, Samoan, or any other Pacific Islander
	  B = A person having origins in any of the black racial groups of Africa
	  I = American Indian, Eskimo, Alaskan native, or person with origin in any of the 48 US contiguous states or Alaska who maintains cultural identification through tribal affiliation or community recognition
	  U = Of indeterminable race
	  W = Caucasian, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race		

Reason Fingerprinted (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Reason Fingerprinted (Legacy Derivable)

Field ID (Mnemonic)	2.037 (RFP)		
Description	This alphanumeric-special field is used to indicate the purpose of a civil or applicant fingerprint card submission. Commas, blanks, dashes, hyphens, and slashes are all allowed as special characters. The submitting agency should indicate the specific statutory authority authorizing the fingerprint submission in this field. For MAP submissions, agencies must indicate "Criminal Justice Employment" or "Law Enforcement" in this field or the submission will be rejected. Option: Agencies may choose to use standard terms in this field related to the purpose of the fingerprint submission instead of the specific statutory authority. The standard reasons are: Firearms Volunteer Criminal Justice Employment Child Care/School Employee Other Employment and Licensing Note: The use of RFP requires coordination with FBI prior to use.		
Remarks	For transactions being submitted to FBI IAFIS, it expects specific formats for this field. The submitting agency should indicate the specific statutory authority authorizing the fingerprint submission in this field. For MAP submissions, agencies must indicate "Criminal Justice Employment" or "Law Enforcement" in this field or the submission will be rejected. Option: Agencies may choose to use standard terms in this field related to the purpose of the fingerprint submission instead of the specific statutory authority. The standard reasons are: Firearms, Volunteer, Criminal Justice Employment, Child Care/School Employee, Other Employment and Licensing. Note: The use of RFP requires coordination with FBI prior to use.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Reason Fingerprinted	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 75	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Backward Slash,Blank,Comma,Dash,Forward Slash,Hyphen		
Value Constraints	n/a		
Legacy Derivable	2.8103 COL_RSN (truncate to first 75 characters).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Type-2 User-Defined Descriptive Text Record

Record Header

Field ID (Mnemonic)	2.001 (LEN)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Religion (Deprecated)

Field ID (Mnemonic)	2.337 (RELIGION)		
Description	This optional field contains the subject's religion.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Deprecated
Char Types	AS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8039 GRPMBR; 2.8039_1 GRPMBR_NAME; 2.8039_2 GRPMBR_TYP (REL = Religious)>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Repository Candidate List (Emerging)

Type-2 User-Defined Descriptive Text Record

Repository Candidate List (Emerging)

Field ID (Mnemonic)	2.8109 (REPO_CAN)		
Description	This grouped field shall contain a candidate list. It is composed of four information items: Name of Designated Repository, Candidate Identifier Type, Candidate Identifer and Candidate Name. These fields will be provided for each candidate in the list.		
Remarks	n/a		
Format	n/a	**Source**	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	DoD Candidate List	**DoD EBTS 1.2**	No
Num Info Items	4	**DoD EBTS 2.0**	Yes
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Repository Candidate List (Emerging)

Name of Designated Repository (Emerging)

Field ID (Mnemonic)	2.8109_1 (NDR)		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	See Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DESIGNATED REPOSITORY NAME CODES:
	  1 = FBI Criminal Master File Records
	  2 = FBI Civil Records
	  3 = FBI Unsolved Latent File
	  4 = FBI Major Case File Records
	  5 = FBI Latent Image File Records
	  6 = FBI Repository for Individuals of Special Concern (RISC)
	  7 = Canada Real Time Identification (RTID)
	  8 = DoD Automated Biometric Identification System (ABIS)
	  9 = DHS IDENT/US-VISIT
	  10 = International Terrorist File (ITF) Participants
	  11 = RISC Wants and Warrants (W&W)
	  12 = RISC Sexual Offender Registry (SOR)
	  13 = RISC Known and Suspected Terrorist (KST)
	  14 = RISC International Terrorist File (ITF)
	  15 = RISC Persons of Special Interest (Other)
	  16 – 19 = Reserved for FBI Future Use
	  20 - 50 = Reserved for Department of Defense
	  51 - 100 = Reserved for FBI Future Use
	  101-125 = FBI Special Population Cognizant Files
	  126-135 = Other Federal Organization Special Population Cognizant Files
	  136 - 199 = Reserved for FBI Future Use
	  200 - 399 = Reserved for State/Local System
	  400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Repository Candidate List (Emerging)

Repository Candidate Identifier Category Code (Emerging)

Field ID (Mnemonic)	2.8109_2 (CAN_ID_CAT_CD)		
Description	The category of the candidate identification such as DoD Number, FBI Number, etc.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	See Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	REPOSITORY IDENTIFICATION CATEGORY CODES: DOD = DoD Number FBI = FBI Number		

Repository Candidate Identifier (Emerging)

Field ID (Mnemonic)	2.8109_3 (CAN_ID)		
Description	The identifying value for the candidate's identification.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Repository Candidate List (Emerging)

Repository Candidate Name (Emerging)

Field ID (Mnemonic)	2.8109_4 (CAN_NAM)		
Description	The name of a person included in a Repository Candidate List.		
Remarks	For DoD Candidate List/Candidate Name, use the "UNKNOWN, XX" when the name of the subject is unknown and is mandatory.		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Repository Statistics Response

Type-2 User-Defined Descriptive Text Record

Repository Statistics Response

Field ID (Mnemonic)	2.065 (RSR)		
Description	This field contains a file generated by the NGI Latent Friction Ridge system that provides detailed statistics that can be used to estimate the level of penetration of the repository given a set of search parameters defined in the search request. This field is in the form of a large ASCII file that can contain up to 96,000 characters/bytes of alphanumeric-special (ANS) data. NGI Increment 3 expands further on the RSR field/file to include statistics on not only the Criminal repository, but also the Civil and the Criminal and Civil repositories combined. The field/file will be expanded to include five subfields: 1. Parameter name 2. Parameter Values IAFIS-DOC-01078-9.3 C-36 November 1, 2011 3. Criminal, the fraction of the file having that value of the category 4. Civil, the fraction of the file having that value of the category 5. Combined, the fraction of the Criminal and Civil files having that value of the category In the native encoding formatting, the fields are separated by "whitespace" (spaces and/or tabs) with DOS end-of-line convention (CR+LF). A period character is used as a decimal point in the fraction values. The value should be interpreted as the percentage of records matching that category and code. Some records may specify multiple codes within the same category but such instances are undeterminable from this data. Data rows containing all zeroes will not be returned. See the table below for an example of RSR response data.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Repository Statistics Response	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 96,000	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Decimal,Newline,Tab		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Request Features Record

Type-2 User-Defined Descriptive Text Record

Request Features Record

Field ID (Mnemonic)	2.095 (RFR)		
Description	This one-character alpha field is used to indicate a user's desire to have CJIS return a Type-9 features record associated with an image requested via IRQ, LFIS, and LFFS transactions. The features record can then be overlaid on the image for comparison purposes. A features record will be returned if the RFR value equals "Y." A features record will not be returned if the field is omitted (its use is optional) or if the value of RFR equals "N."		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	RFR = 'Y' or 'N'		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Request for Electronic Rap Sheet

Field ID (Mnemonic)	2.070 (RAP)		
Description	The purpose of this field is to allow the contributors to request an electronic rap sheet of the suspect. That rap sheet will be an IDRR if an identification was made and an NIDR if the submission resulted in a non-identification. A "Y" indicates that a rap sheet is desired, and an omitted field or an "N" indicates that no electronic rap sheet should be returned with the response.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Request Electronic Rap Sheet	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Request IAFIS Search

Type-2 User-Defined Descriptive Text Record

Request IAFIS Search

Field ID (Mnemonic)	2.317 (RIS)		
Description	This optional field shall indicate a request to search IAFIS in addition to the DoD ABIS.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	REQUEST IAFIS SEARCH INDICATOR CODES:
	  Y = Yes
	  N = No		

Request Mug Shot

Field ID (Mnemonic)	2.316 (RMS)		
Description	An indicator that requests a return of the most recent mug shot (frontal pose) on file with DoD for the given biometric subject. Otherwise, this field may be omitted.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	DoD Request Mug Shot	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	REQUEST MUG SHOT CODES:
	  Y = Yes
	  N = No		

Request Photo Record

Type-2 User-Defined Descriptive Text Record

Request Photo Record

Field ID (Mnemonic)	2.096 (RPR)		
Description	This one-character alpha field is used to indicate a user's desire to have the repository return a Type-10 photo record if one is on file and disseminable. This field is used in conjunction with a Rapid Fingerprint Identification Search transaction (RPIS).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI Request Photo Record	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FBI REQUEST PHOTO RECORD YES_NO CODES:
	  Y = Photo Record Requested
	  N = Photo Record Not Requested		

Request Secondary Search (Emerging)

Field ID (Mnemonic)	2.8207 (SCND_SRCH)		
Description	This set of fields, if provided, shall indicate which repository, the transaction type and secondary search retention indicator for a secondary search. The default is NOT to send the EBTS file to any other repository, unless secondary search is requested."		
Remarks	Coordination required with BIMA STB before uage.		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Request Secondary Search (Emerging)

Name of Designated Repository (Emerging)

Field ID (Mnemonic)	2.8207_1 (NDR)		
Description	This field contains the numerical designation of the repository(ies) to be searched. Repository numbers are assigned by the CJIS Division. Multiple entries in this field will indicate a desire to search more than one repository, including Canada's RTID and authorized DHS records. Multiple entries will be separated by the <RS> separator. The NDR values of 4 & 5 will be retired in the next version. The NDR value of 4 for Major Case Records is being subsumed into criminal (NDR=1) and civil (NDR=2). The NDR value of 5 for the Latent Image File Records will only be accessible to the internal Latent Laboratory Examiners, therefore will not be valid for use in this standard.		
Remarks	A submission will be submitted to the primary repository via the DoD EBTS. This field indicates which additional repository should be searched using the same information.		
Format	n/a	**Source**	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 3	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DESIGNATED REPOSITORY NAME CODES: 1 = FBI Criminal Master File Records 2 = FBI Civil Records 3 = FBI Unsolved Latent File 4 = FBI Major Case File Records 5 = FBI Latent Image File Records 6 = FBI Repository for Individuals of Special Concern (RISC) 7 = Canada Real Time Identification (RTID) 8 = DoD Automated Biometric Identification System (ABIS) 9 = DHS IDENT/US-VISIT 10 = International Terrorist File (ITF) Participants 11 = RISC Wants and Warrants (W&W) 12 = RISC Sexual Offender Registry (SOR) 13 = RISC Known and Suspected Terrorist (KST) 14 = RISC International Terrorist File (ITF) 15 = RISC Persons of Special Interest (Other) 16 – 19 = Reserved for FBI Future Use 20 - 50 = Reserved for Department of Defense 51 - 100 = Reserved for FBI Future Use 101-125 = FBI Special Population Cognizant Files 126-135 = Other Federal Organization Special Population Cognizant Files 136 - 199 = Reserved for FBI Future Use 200 - 399 = Reserved for State/Local System 400 - 999 = Reserved for FBI Future Use		

Type-2 User-Defined Descriptive Text Record

Request Secondary Search (Emerging)

Request Secondary Search Transaction Type (Emerging)

Field ID (Mnemonic)	2.8207_2 (TOT)		
Description	This field contains an identifier, designating the type of transaction to secondary search and subsequent processing that the logical file should be given.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see BIMA before implementation		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Secondary Search Retention Indicator (Emerging)

Field ID (Mnemonic)	2.8207_3 (RET)		
Description	A value of "Y" means retention is acceptable, a value of "N" means the secondary repository should not retain the submission. Secondary repositories are not necessarily bound by this field and policy may override the value present.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	Secondary Search Retention Code	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	RETENTION CODES:
	  Y = Submission Retained
	  N = Submission Not Retained		

Residence of Person Fingerprinted (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Residence of Person Fingerprinted (Legacy Derivable)

Field ID (Mnemonic)	2.041 (RES)		
Description	The subject's residential address may be entered in this field as free text, including printable special characters and formatting characters (CR, LF, TAB). The RES returned in a response is the same as the one submitted. For the XML encoding, it contains sub-elements for the subject's complete address location.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 120	DoD EBTS 3.0	Derivable
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	2.8031 SUB_ADDR; concatenate the following information items: 2.8031_1 - 2.8031_8		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Response Code

Field ID (Mnemonic)	2.082 (REC)		
Description	Natively, this one-byte alpha field will contain allowable values of "Y" or "N." This field is used in the PDR and PRR transactions to indicate the status of the corresponding request. If the request contains any errors, the response code (REC) will be set to "N." Otherwise it will be set to "Y."		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Response Explanation

Type-2 User-Defined Descriptive Text Record

Response Explanation

Field ID (Mnemonic)	2.080 (EXP)		
Description	This field is free-form text to elaborate on the Response Code field for the Type-10 Photo record requested.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Retention Code

Field ID (Mnemonic)	2.005 (RET)		
Description	This is an alpha field indicting whether the information submitted as a part of a transaction is to be retained in the repository. For FBI Transactions: This is an alpha field indicating whether the arrest information submitted as a part of a transaction (either electronic or hard copy) is to be retained as a permanent part of the FBI's Criminal Master File. Submit a "Y" for yes or an "N" for no. For Civil submissions, RET is used to indicate whether the civil submission is to be retained in the civil files. In the case where a Criminal Identification was made against the Criminal File in a Civil Submission (irrespective of the value of RET), under some conditions the record is retained as a Civil Cycle in that Criminal record. For XML encoding, this field is represented as a Boolean value.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	YES_NO CODES: Y = Yes N = No		

Ridge Core Delta One for Subpattern Classification

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta One for Subpattern Classification

Field ID (Mnemonic)	2.091 (RCD1)		
Description	This grouped field contains information about the finger(s) ridge counts and is used for Remote Native Mode Searches in conjunction with the Pattern Level Classification (PAT - 2.034). It is comprised of two subfields, Finger Number (FGP), and Ridge Count Number 1 (RCN1). The two-character finger position code as specified for the related Pattern Level Classification (PAT) is followed by the <US> separator and at least one RCN1. Each pattern classification PATCL specified in the tagged field 2.034 must be accompanied by two ridge count indicators, one in RCD1 (2.091) and one in RCD2 (2.092) as described in the table provided with RCD2. If multiple RCN1s are used for reference to the same finger, then they shall be separated from each other by the <US> separator. Multiple fingers, if provided, shall be separated by the <RS> separator.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta One for Subpattern Classification

Finger Position Code

Field ID (Mnemonic)	2.091A (FGP)		
Description	The two-character finger position code.		
Remarks	The two-character finger position code as specified for the related Pattern Level Classification (PAT).		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT TEN FINGER NUMBER CODES: 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs		

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta One for Subpattern Classification

First Subpattern Ridge Count

Field ID (Mnemonic)	2.091B (RCN1)		
Description	The First Subpattern Ridge Count/Ridge Count Number (RCN1) represents the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. For whorls, both the RCN1 and the RCN2 values have meaning. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges, and 0 indicates that the ridge count is not applicable.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Ridge Count Number 1	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT RIDGE NUMBER 1 CODES: 0 = Arch (type not designated) 1-31 = Left slant loop 1 1-31 = Right slant loop 1 1-31 = Whorl (type not designated) 0 = Complete scar 0 = Amputation 0 or 31 = Unable to classify		

Ridge Core Delta Two for Subpattern Classification

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta Two for Subpattern Classification

Field ID (Mnemonic)	2.092 (RCD2)		
Description	This grouped field contains information about the finger(s) ridge counts and is used for Remote Native Mode Searches in conjunction with the Pattern Level Classification (PAT - 2.034). It is comprised of two subfields, Finger Number (FGP), and Ridge Count Number 2 (RCN2). The two-character finger position code as specified for the related Pattern Level Classification (PAT) is followed by the <US> separator and at least one RCN2. Each pattern classification PATCL specified in the tagged field 2.034 must be accompanied by two ridge count indicators, one in RCD1 and one in RCD2 as described in the following table. If multiple RCN2s are used for reference to the same finger, then they shall be separated from each other by the <US> separator. Multiple fingers, if provided, shall be separated by the <RS> separator. The Ridge Count Number (RCN1 and RCN2) represents the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. For Whorls, both the RCN1 and the RCN2 values have meaning. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges and 0 indicates that the ridge count is not applicable. The following is a list of acceptable IAFIS pattern level fingerprint classifications and the allowable ridge count ranges for each.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta Two for Subpattern Classification

Finger Position Code

Field ID (Mnemonic)	2.092A (FGP)		
Description	The two-character finger position code.		
Remarks	The two-character finger position code as specified for the related Pattern Level Classification (PAT).		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT TEN FINGER NUMBER CODES: 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs		

Type-2 User-Defined Descriptive Text Record

Ridge Core Delta Two for Subpattern Classification

Second Subpattern Ridge Count

Field ID (Mnemonic)	2.092B (RCN2)		
Description	The Second Subpattern Ridge Count/Ridge Count Number (RCN2) represents the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. For whorls, both the RCN1 and the RCN2 values have meaning. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges, and 0 indicates that the ridge count is not applicable.		
Remarks	Deprecated for this set only.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Ridge Count Number 2	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT RIDGE NUMBER 2 CODES:
	  0 = Arch (type not designated)
	  0 = Left slant loop 2
	  0 = Right slant loop 2
	  1-31 = Whorl (type not designated)
	  0 = Complete scar
	  0 = Amputation
	  0 or 31 = Unable to classify		

Scars, Marks and Tattoos

Field ID (Mnemonic)	2.026 (SMT)		
Description	For each scar, mark, or tattoo present on the subject, the appropriate NCIC code shall be used in this information item. Blanks are allowed as special characters.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NCIC DESIGNATION CODES: NCIC Manual = see NCIC Code Manual version 10.3		

Search Results Findings

Type-2 User-Defined Descriptive Text Record

Search Results Findings

Field ID (Mnemonic)	2.059 (SRF)
Description	This field is used in responses to submissions and contains a single character. For Tenprint Identification searches, an "I" shall be used to indicate that an identification has been made, and an "N" shall be used to indicate that no identification has been made. For Latent Identification searches, in addition to "I" or "N" a pending comparison result will be indicated with a "P." For RISC Rapid Searches, the SRF field will contain the following: "R" for red, "Y" for yellow, or "G" for green. For Verification requests, an "M" shall be used to indicate that a match has been made, and an "X" shall be used to indicate that no match has been made. For the UHN TOT, this field will contain "R" (red) for high confidence matches and may contain "Y" (yellow) for potential matches in the future.
Remarks	n/a

Format	n/a	**Source**	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	SEARCH RESULT CODES: I = Identification has been made N = No identification has been made P = Pending R = Red Y = Yellow G = Green		

Send Copy to

Type-2 User-Defined Descriptive Text Record

Send Copy to

Field ID (Mnemonic)	2.007 (SCO)		
Description	The purpose of this 9-to-19-character alphanumeric-special (ANS) field is to indicate that additional electronic responses need to be forwarded to agencies other than the contributor by the State Identification Bureau. The first nine characters shall be alphanumeric and shall contain the NCIC-assigned Originating Agency Identifier (ORI) for an agency who is to receive a copy of the response. At the option of the transmitting agency, the ORI may be expanded to a size of 19 characters, with 10 characters of alphanumeric-special (ANS) data appended to the end to assist in proper routing of the responses. However, no separator may be used between the ORI and routing extension (use any printable ASCII special character (e.g., a slash) as a separator). Upon receiving an electronic response, the State Identification Bureau will forward a copy of the electronic response to each agency listed in the "SEND COPY TO" block.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	9 to 19	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sex

Field ID (Mnemonic)	2.024 (SEX)		
Description	This field is used to report the gender of the subject. The entry is a single character selected from the list of codes below.		
Remarks			
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Biometric Subject Gender	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GENDER CODES: F = Gender reported as Female G = Occupation or charge indicated Male Impersonator M = Gender reported as Male N = Occupation or charge indicated Female Impersonator or Transvestite Y = Male name, No Gender given Z = Female name, No Gender Given X = Unknown Gender		

Type-2 User-Defined Descriptive Text Record

Sister's Name (Deprecated)

Field ID (Mnemonic)	2.330 (SISTER_NAME)		
Description	This optional field contains the subject's Sister's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX (F=Female); 2.8038_2 IASSOC_ROLE (6=Sibling); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Social Security Account Number (Legacy Derivable)

Field ID (Mnemonic)	2.016 (SOC)		
Description	This field contains the subject's social security number, if known. This number shall be entered as nine consecutive digits with no embedded punctuation characters. No foreign social security numbers shall be used.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	9 to 9	DoD EBTS 3.0	Derivable
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8019 COL_IDENT; 2.8019_1 CITYP (SSN = Social Security Number); 2.8019_2 CIID; if 2.8019_3 CIISSORG (USA = United States of America).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Spouse's Name (Deprecated)

Type-2 User-Defined Descriptive Text Record

Spouse's Name (Deprecated)

Field ID (Mnemonic)	2.327 (SPOUSE_NAME)		
Description	This optional field contains the subject's Spouse's Name.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 80	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<2.8038 IASSOC; 2.8038_2 IASSOC_SEX; 2.8038_2 IASSOC_ROLE (4=Spouse); 2.8038_3 NAM1; 2.8038_4 NAM2; 2.8038_5 NAM3; 2.8038_6 NAM4; 2.8038_7 NAM5>		
Sunset Reason	n/a		
Look Up Codes	n/a		

State Identification Number

Field ID (Mnemonic)	2.015 (SID)		
Description	This field contains any known state identification number. The native encoding format is the standard two-character abbreviation of the state name followed by the number. Embedded blanks are not permitted. SIDs from New York, Oregon, or Pennsylvania may contain a hyphen in the last position. The SID returned in a response is dependent upon the search results.		
Remarks	FBI IAFIS expects the format to be the standard two-character abbreviation of the state name followed by the number. Embedded blanks are not permitted. SIDs from New York, Oregon, or Pennsylvania may contain a hyphen in the last position. The SID returned in a response is dependent upon the search results (see Section 3.6 in the FBI CJIS EBTS V8.1).		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	FBI State Identification Number	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 10	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Hyphen		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Status/Error Message

Type-2 User-Defined Descriptive Text Record

Status/Error Message

Field ID (Mnemonic)	2.060 (MSG)		
Description	This free-text field will contain reason, status, or error messages that are generated as a result of the processing of a transaction and will be sent back to the submitter. For example, an Unsolicited Unsolved Latent Delete transaction will contain the reason for the deletion of a record. For native encoding, each message will be separated by the RS separator character.		
Remarks	Propose to deprecate this with Status Message.		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 300	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Status Message (Emerging)

Field ID (Mnemonic)	TBD		
Description	This set includes a status code, a status description and a detailed status description generated as a result of the processing of a transaction.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Status Message (Emerging)

Status Code (Emerging)

Field ID (Mnemonic)	TBD		
Description	A code denoting the status of the transaction after processing in the reponse.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 20	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Status Description (Emerging)

Field ID (Mnemonic)	TBD		
Description	The textual description of the status code.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 300	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Status Message (Emerging)

Detailed Status Description (Emerging)

Field ID (Mnemonic)	TBD		
Description	The longer and more detailed textual description of the status code. It elaborates on the status description.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 600	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Submission Color Code

Field ID (Mnemonic)	2.334 (SCC)		
Description	The color classification of the biometric subject. Red Force includes persons that are Enemy Prisoners of War and Enemy Combatants. Blue Force includes persons that are U.S. Military, DoD Contractors, or DoD civilians. Grey Force includes person that are local nationals, Third Country Nationals or Contractors, or Coalition.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	?
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR CLASSIFICATION CODES:
	  RED = Red Force
	  GRY = Gray Force
	  BLU = Blue Force
	  OTH = Other		

Submission Priority (Deprecated)

Type-2 User-Defined Descriptive Text Record

Submission Priority (Deprecated)

Field ID (Mnemonic)	2.8200 (PRIORITY)		
Description	This field shall indicate the priority of a submission (from 1 to 5, with 1 being the highest priority).		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Deprecated
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	<1.006 PRY>		
Sunset Reason	n/a		

Look Up Codes	SUBMISSION PRIORITY CODES:
	  1 = Highest Priority
	  2 = second priority
	  3 = Third Priority
	  4 = Forth Priority
	  5 = Lowest Priority		

Subsequent Notification (Sunset)

Field ID (Mnemonic)	2.353 (SN)		
Description	Information that identifies the current submission is requesting that all future associations will return notifications to the defined email address(es). These subsequent notifications will be sent to the email address list if specified. It consists of Subsequent Notification Email Address and Subsequent Notification Function.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Sunset
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	Not Used; see BIMA Operations staff for subsequent notification requests.>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Subsequent Notification (Sunset)

Subsequent Notification Function (Sunset)

Field ID (Mnemonic)	2.353_1 (SN_FUN)		
Description	Identifies the type of notification that should be used.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Sunset
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		

Look Up Codes	SUBSEQUENT NOTIFICATION CODES:
	  0 = No subsequent notification
	  1 = Use Default
	  2 = Multiple as Listed		

Subsequent Notification Email Address (Sunset)

Field ID (Mnemonic)	2.353_2 (SN_ADDR)		
Description	Defines the actual email addresses where subsequent responses will be sent. Individual addresses will be separated by the semi-colon character (;). This field will override any configuration previously made at the ORI level.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 250	DoD EBTS 3.0	Sunset
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Subsequent Notification (Sunset)

Subsequent Notification Expiration Date (Sunset)

Field ID (Mnemonic)	n/a		
Description	The date on which the subsequent notification will automatically expire.		
Remarks	n/a		
Format	YYYYMMDD	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	n/a		

Supplementary Identity Information

Field ID (Mnemonic)	2.2023 (SII)		
Description	This field will contain identity information not within the scope of the standard NGI Identity History Summary. The format and content of the information in this field may vary for different transactions.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 10,000	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Template Extraction Algorithm (Emerging)

Type-2 User-Defined Descriptive Text Record

Template Extraction Algorithm (Emerging)

Field ID (Mnemonic)	2.8203 (TEA)		
Description	The algorithm used to extract template data from an existing biometric image. It consists of Template Extraction Algorithm Name and Template Extraction Algorithm Version.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Template Extraction Algorithm Name (Emerging)

Field ID (Mnemonic)	2.8203_1 (TEA_NAME)		
Description	The name of the algorithm used to extract template data from an existing biometric image.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Template Extraction Algorithm (Emerging)

Template Extraction Algorithm Version (Emerging)

Field ID (Mnemonic)	2.8203_2 (TEA_VER)		
Description	The version of the algorithm used to extract template data from an existing biometric image.		
Remarks	n/a		
Format	n/a	Source	Developed for Blue Force capability. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transaction Lookup (Sunset)

Field ID (Mnemonic)	2.352 (LOOKUP)		
Description	The Transaction Lookup fields allow for an ORI to submit a transaction to the DoD ABIS system that will update or change existing Transaction Data. This field set can be used in connection with the ALERT, ENCOUNTER and SUBSEQUENT NOTIFICATION field sets to identify existing transactions within the DoD ABIS system. This field contains information that will be used to identify a transaction within the DoD ABIS system. In the case where a subject has already been searched and an identifier is available, the system will first use the demographic identifier instead of using the modality to search. This field contains two subfields and both must be completed if this field is used. This field may be repeated up to 99 times to provide 99 identifiers.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Sunset
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Transaction Lookup (Sunset)

Transaction Lookup Type (Sunset)

Field ID (Mnemonic)	2.352_1 (LOOKUP_TYP)		
Description	This field contains information that will be used to identify the type of identifier(s) that is provided. This field will contain a single numeric value that identifies the demographic identifier type: 0 - TCN, 1 - Subject ID returned previously from ABIS, 2 - BAT_GUID, 3 - Internment Serial Number (ISN).		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Sunset
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	TRANSACTION LOOKUP IDENTIFIER CODES: 0 = Transaction Control Number (TCN) 1 = Subject ID returned previously from ABIS 2 = BAT_GUID 3 = Internment Serial Number (ISN)		

Transaction Lookup Identifier Value (Sunset)

Field ID (Mnemonic)	2.352_2 (LOOKUP_ID)		
Description	This field contains the value of the type specified in the previous field.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Sunset
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	n/a		

Transportation

Type-2 User-Defined Descriptive Text Record

Transportation

Field ID (Mnemonic)	2.8116 (TRANSPORT)		
Description	A set of fields for capturing the method of transportation on which the biometric subject was encountered, the type of identification and identifier assigned to the conveyance.		
Remarks	This field was previously 2.8105 CONVEY in DoD EBTS 2.0.To achieve better harmonization with other agencies as well to improve alignment to the NIEM XML, the previous normalized field has been renamed from Conveyance to Transport and restructured and a new Field ID 2.8116 has been assigned in DoD EBTS 3.0. This field continues to support the transport type, transport identifier category code, transport identifier. Make, Model, Year and Color of the transport has been added as well comment.		
Format	n/a	Source	BSWG
Previous DDE Name	Conveyance	DoD EBTS 1.2	No
Num Info Items	8	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transport Type

Field ID (Mnemonic)	2.8116_1 (TRANSPORT_TYP)		
Description	The category of transportation on which the biometric subject was encountered.		
Remarks	Additional valid values for TRUCK, BUS, BIKE, MTRB, ANML, and TRAIN have been added.		
Format	n/a	Source	BSWG
Previous DDE Name	Conveyance Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ENCOUNTER CONVEYANCE CODES:
	  AUTO = Automobile
	  AIR = Aircraft
	  VESSEL = Vessel
	  OTH = Other
	  TRUCK = Pickup Truck, Dump Truck, Garbage Truck, Semi, Mack Truck, 18 Wheeler, etc.
	  BUS = Public Bus, School Bus, Mini Bus, Tour Bus, etc.
	  BIKE = Bicycles
	  MTRB = Motocycle
	  ANML = Animals: donkeys, horses, camels, etc.
	  TRAIN = Train		

Type-2 User-Defined Descriptive Text Record

Transportation

Transport Identifier Category Code

Field ID (Mnemonic)	2.8116_2 (TRANSPORT_IDCATCD)		
Description	The type of identification assigned to a conveyance.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Conveyance Identifier Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 20	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ENCOUNTER CONVEYANCE IDENTIFIER CODES:
	    SCONUM = Ship Control Number
	    NIDDOC = National Identification Document
	    VESSELNUM = Vessel Registration Number
	    VIN = Vehicle Identification Number
	    LICENSE = License Plate Number
	    AIRNUM = Aircraft Registration Number
	    BATGEN = BAT Generated Vehicle ID		

Transport Identifier

Field ID (Mnemonic)	2.8116_3 (TRANSPORT_ID)		
Description	The identifier assigned to a conveyance.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	Conveyance Identifier Value	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 20	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Transportation

Transport Make

Field ID (Mnemonic)	2.8116_4 (TRANSPORT_MAK)		
Description	The manufacturer of the transportation device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transport Model

Field ID (Mnemonic)	2.8116_5 (TRANSPORT_MOD)		
Description	The model number of the transportation device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Transportation

Transport Model Year

Field ID (Mnemonic)	2.8116_6 (TRANSPORT_MODYR)		
Description	The model year of the transportation device.		
Remarks	n/a		
Format	YYYY	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transport Color

Field ID (Mnemonic)	2.8116_7 (TRANSPORT_COL)		
Description	The primary color of the transportation device.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Transportation

Comment

Field ID (Mnemonic)	2.8116_8 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Treat As Adult

Field ID (Mnemonic)	2.087 (TAA)		
Description	A one-byte optional field to indicate whether a juvenile is to be processed as an adult. A "Y" indicates yes; an omitted field indicates no. The TAA returned in a response is the same as the one submitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	Treat as Adult	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Triggering Event

Type-2 User-Defined Descriptive Text Record

Triggering Event

Field ID (Mnemonic)	2.8106 (EVENT)		
Description	Something that happens at a given place and time that triggers subsequent collection encounter.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	Event	DoD EBTS 1.2	No
Num Info Items	9	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Triggering Event Identifier

Field ID (Mnemonic)	2.8106_1 (EVENT_ID)		
Description	The unique identifier for the triggering event.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Triggering Event

Address Line 1 (Emerging)

Field ID (Mnemonic)	2.8106_2 (ADD1)		
Description	The street, including both number and name.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Address Line 2 (Emerging)

Field ID (Mnemonic)	2.8106_3 (ADD2)		
Description	Additional information about the street (e.g. apt #).		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Triggering Event

City (Emerging)

Field ID (Mnemonic)	2.8106_4 (CITY)		
Description	Name of the city.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

State / Province (Emerging)

Field ID (Mnemonic)	2.8106_5 (STAT)		
Description	The state, province or subdivision of a location.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	free text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Triggering Event

Country Code (Emerging)

Field ID (Mnemonic)	2.8106_6 (CTRY)		
Description	The ISO 3166-1 alpha3 country code.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ISO 3166-1 alpha3 codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

Village (Emerging)

Field ID (Mnemonic)	2.8106_7 (VLG)		
Description	Small population unit, typically rural, held together by common economic and political ties.		
Remarks	n/a		
Format	n/a	Source	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Triggering Event

Event Description (Emerging)

Field ID (Mnemonic)	2.8106_8 (EVENT_DESC)		
Description	The textual description of an event that triggers subsequent collection encounter.		
Remarks	n/a		
Format	n/a	**Source**	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 255	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment (Emerging)

Field ID (Mnemonic)	2.8106_9 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	**Source**	Referenced by DoD EBTS 2.0. Coordination with DoD ABIS required. Pending approval.
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 126	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type of Search Requested

Type-2 User-Defined Descriptive Text Record

Type of Search Requested

Field ID (Mnemonic)	2.043 (TSR)		
Description	A one-byte code shall be entered in this field from the [lookup codes below] to indicate the type of record being submitted. The field is applicable to the NFUF, CPDR, FNDR, NNDR, CPNU, DOCE, EMUF, NFAP, and NFUE transactions as follows. * When submitting fingerprints using TSR of V, the contributing agency should specify either the VCA/NCPA or a state statute in the RFP Field. To be charged at the volunteer rate, the word "volunteer" must appear with or without the statute. ** For Internal FBI use only.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TRANSACTION SEARCH CODES:
	  C = Confidential Screening. Applicable TOTs: CPDR, FNDR, NNDR
	  H = Suppress/Modify Unsolicited Want/SOR Notification (Non-Urgent Criminal). Applicable TOTs: CPNU**
	  P = Pre-commission candidate record with fingerprints. Applicable TOTs: NFUF, DOCE, EMUF, NFAP, NFUE
	  V = Civil submission in support of the National Child Protection Act of 1993. Applicable TOTs: NFUF*, NFUE*		

Unsolved Latent File

Field ID (Mnemonic)	2.083 (ULF)		
Description	This one-character alpha field is used to designate whether a latent image or features record in a search should be added to the Unsolved Latent File. Submit a "Y" for yes. If negative, submit "N". If the field is omitted, the default behavior will be "Y".		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	YES_NO CODES:
	  Y = Yes
	  N = No		

Type-2 User-Defined Descriptive Text Record

Unsolved Latent Retained

Field ID (Mnemonic)	2.2034 (ULR)		
Description	This field is used in a Biometric Decision (BDEC) when the decision is a positive identification and the user requests that the unsolved record is to be retained in the unsolved file. A value of "Y" indicates that the latent record should be retained in the ULF. No value or a value of "N" indicates that the user does not want the unsolved record retained.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	ULR = Y or N		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	YES_NO CODES: Y = Yes N = No		

Vendor Software (Emerging)

Field ID (Mnemonic)	TBD		
Description	Information regarding the software application provided by vendor. The set consists of Software Vendor Name, Software Application Name and Software Application Version Number.		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Vendor Software (Emerging)

Software Vendor Name (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the software vendor (e.g. Microsoft).		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Software Application Name (Emerging)

Field ID (Mnemonic)	TBD		
Description	The name of the software application (e.g. Excel).		
Remarks	n/a		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Vendor Software (Emerging)

Software Application Version Number (Emerging)

Field ID (Mnemonic)	TBD		
Description	The number that specifies the software vendor application version number.		
Remarks	May consist the Major, Minor, Revision and Build number the vendor assigned to the application.		
Format	n/a	Source	Developed for BAT V5 Application Profile. Pending approval.
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Verification Identifier (Sunset)

Field ID (Mnemonic)	2.8202 (VID)		
Description	This field shall contain a verification identifier on file with the DoD The identifier may contain a DoD number, SSN, EDIPI, ISN, BAT GUID, or DBIDS number. This field contains two information items, Verification Identifier Type and Verification Identifier Value, and both must be present.		
Remarks	Field ID used in EBTS 1.2 was 2.315.		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Sunset
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Not Used.>		
Look Up Codes	n/a		

Type-2 User-Defined Descriptive Text Record

Verification Identifier (Sunset)

Verification Identifier Type (Sunset)

Field ID (Mnemonic)	2.8202_1 (VID_TYP)		
Description	The type of verification identifier.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 7	DoD EBTS 3.0	Sunset
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	\<Not Used.\>		
Look Up Codes	VERIFICATION IDENTIFIER CODES: 　DOD = DoD Number 　SSN = Social Security Number 　EDIPI = Electronic Data Interchange Personal Identifier 　ISN = Internment Serial Number 　BATGUID = BAT Global Unique Identifier 　DBIDS = DBIDS number 　LPID = Local Population Person Identifier		

Verification Identifier Value (Sunset)

Field ID (Mnemonic)	2.8202_2 (VID_VAL)		
Description	The verification identifier on file with the DoD.		
Remarks	n/a		
Format	n/a	Source	BSWG
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Sunset
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	\<Not Used.\>		
Look Up Codes	n/a		

Weight (Legacy Derivable)

Type-2 User-Defined Descriptive Text Record

Weight (Legacy Derivable)

Field ID (Mnemonic)	2.029 (WGT)		
Description	In this field, the subject's weight in pounds is entered. If weight is unknown, 000 is entered. All weights in excess of 499 pounds will be set to 499 lbs. WGT must be in the range 050 to 499 lbs. (however, there is no minimum range limit for missing persons or unknown persons).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Derivable
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8036 SUBJ_WGT; 2.8036_1 WGT_VAL; 2.8036_2 MASS_UNIT (LB = pound).		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Weight Range (Legacy Derivable)

Field ID (Mnemonic)	2.030 (WTR)		
Description	If a range of weight is given, it shall be expressed as two 3-digit numbers indicating the minimum and maximum weights (in pounds) of the subject. There shall be no separator character used between the weights. WTR must be in the range 050 to 499 lbs (however, there is no minimum range limit for missing persons or unknown persons).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-2)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 6	DoD EBTS 3.0	Derivable
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	2.8036 SUBJ_WGT; 1st subfield to specify the min weight: 2.8036_1 WGT_VAL; 2.8036_2 MASS_UNIT (LB = pound); 2.8036_3 WGT_VLD (EST = estimated); 2nd subfield to specify the max weight.		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

XML-based Rap Sheet

Type-2 User-Defined Descriptive Text Record

XML-based Rap Sheet

Field ID (Mnemonic)	2.318 (XML)		
Description	An electronic rap sheet for the biometric subject in XML format. Notes: The electronic rap sheet shall consist of lines with a maximum of 174 characters per line. The response formatting shall conform to a future DoD standard.		
Remarks	n/a		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 400,000	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)

Finger Position Code [Fingerprint -500 ppi] (Deprecated)

Field ID (Mnemonic)	4 (FGP)		
Description	This mandatory fixed-length field of 6 binary bytes shall occupy the seventh through twelfth positions of a Type-4 record. It shall contain possible finger positions beginning in the leftmost byte of the field(byte seven of the record). The decimal code number for the known or most probable finger position shall be entered as a binary number right justified and left zero filled within the eight-bit byte. Up to five additional finger positions may be referenced by entering the alternate finger positions in the remaining five bytes using the same format. If fewer than five finger position references are to be used, the unused bytes shall be filled with the binary equivalent of "255". The code "0", for "Unknown Finger", shall be used to reference every finger position from one through ten.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	Finger Position [Fingerprint -500 ppi]	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	6 to 6	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	ANSI/NIST ITL 1-2000 (TABLE 6) FINGER POSITION CODES: 0 = Unknown 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers		

Grayscale Compression Algorithm [Fingerprint – 500 ppi] (Deprecated)

Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)

Grayscale Compression Algorithm [Fingerprint – 500 ppi] (Deprecated)

Field ID (Mnemonic)	8 (GCA)		
Description	This mandatory one-byte binary field shall occupy the eighteenth byte of a Type-4 record. It shall be used to specify the type of grayscale compression algorithm used (if any). A binary zero denotes no compression. Otherwise, the contents of this byte shall be a binary representation for the number allocated to the particular compression technique used by the interchange parties. The domain registrar will maintain a registry relating these numbers to the compression algorithms.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 1	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT IMAGE COMPRESSION ALGORITHM CODES: 0 = None Used 1 = Wavelet Scalar Quantization (WSQ)		

Horizontal Line Length [Fingerprint – 500 ppi] (Deprecated)

Field ID (Mnemonic)	6 (HLL)		
Description	This mandatory two-byte binary field shall occupy the fourteenth and fifteenth bytes of the Type-4 record. It shall be used to specify the number of pixels contained on a single horizontal line of the transmitted image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	2 to 2	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Data [Fingerprint – 500 ppi] (Deprecated)

Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)

Image Data [Fingerprint – 500 ppi] (Deprecated)

Field ID (Mnemonic)	9 (IMG)		
Description	This binary field shall contain all of the high-resolution grayscale image data. Each pixel of the uncompressed image shall be quantized to eight bits (256 gray levels) contained in a single byte. If compression is used, the pixel data shall be compressed in accordance with the compression technique specified in the GCA field. This completes the high-resolution image description for a single image.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Bytes	1 to 6,200,000	**DoD EBTS 3.0**	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Designation Character [Fingerprint – 500 ppi] (Deprecated)

Field ID (Mnemonic)	2 (IDC)		
Description	This mandatory one-byte binary field shall occupy the fifth byte of a Type-4 record. It shall be used to identify the image data contained in this record. The IDC contained in this field shall be a binary representation of the IDC found in the file content(CNT) field of the Type-1 record.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Bytes	1 to 1	**DoD EBTS 3.0**	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Scanning Resolution [Fingerprint – 500 ppi] (Sunset)

Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)

Image Scanning Resolution [Fingerprint – 500 ppi] (Sunset)

Field ID (Mnemonic)	5 (ISR)		
Description	This mandatory one-byte binary field shall occupy the thirteenth byte of a Type-4 record. It shall contain a binary value of "0" if the minimum scanning resolution is used, and a "1" if the native scanning resolution is used.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 1	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Only used in Type4/7 and Type4/7 are not recommended in DoD EBTS 2.0>		

Look Up Codes	IMAGE SCANNING RESOLUTION CODES:
	  0 = Minimum Scanning Resolution
	  1 = Native Scanning Resolution		

Impression Type [Fingerprint -500 ppi] (Deprecated)

Field ID (Mnemonic)	3 (IMP)		
Description	This mandatory one-byte binary field shall occupy the sixth byte of a Type-4 record. The code selected from associated codes from Look Up Type, describing the manner by which the fingerprint image information was obtained, shall be entered in this field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 1	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		

Look Up Codes	FINGER IMPRESSION CODES:
	  0 = Livescan (type unknown or unspecified) - Fingerprint Plain
	  1 = Livescan (type unknown or unspecified) - Fingerprint Rolled
	  2 = Non-livescan (e.g. inked) - Fingerprint Plain
	  3 = Non-livescan (e.g. inked) - Fingerprint Rolled
	  4 = Latent Impression - Fingerprint
	  5 = Latent Tracing - Fingerprint
	  6 = Latent Photo - Fingerprint
	  7 = Latent Lift - Fingerprint		

Type-4 High-Resolution Grayscale Fingerprint Image (Deprecated)

Logical Record Length [Type-4] (Deprecated)

Field ID (Mnemonic)	1 (LEN)		
Description	This mandatory four-byte binary field shall occupy bytes one through four. It shall contain the length of the logical record specifying the total number of bytes, including every byte of all nine fields contained in the record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	4 to 4	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length [Fingerprint – 500 ppi] (Deprecated)

Field ID (Mnemonic)	7 (VLL)		
Description	This mandatory two-byte binary field shall occupy the sixteenth and seventeenth bytes of the Type-4 record. It shall be used to specify the number of horizontal lines contained in the transmitted image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2000 (Type-4)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	2 to 2	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-7 Binary Latent Image (Deprecated)

Finger Position Code [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	4 (FGP)		
Description	This mandatory fixed-length field shall occupy the 7th through 12th bytes of a Type-7 record. It shall contain possible finger positions beginning the least-most byte of the field (byte seven of the record). The decimal code number for the known or most probable finger position shall be taken from Table 6 "Finger Position code & maximum size" of the standard "Data Format for the Interchange of Fingerprint, Facial & Scar Mark & Tatoo (SMT) Information", ANSI/NIST-ITL 1-2000. The number shall be entered as a binary number, right justified and left zero filled within the eight-bit byte. Up to five additional finger positions may be referenced by entering the alternate finger positions in the remaining five bytes using the same format. If fewer than five finger position references are to be used, the unused bytes shall be filled with the binary equivalent of "255". The code "0" (for "Unknown finger") shall be used to reference every finger position from one through ten.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	Finger Position [Latent - Binary]	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Bytes	6 to 6	**DoD EBTS 3.0**	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	ANSI/NIST ITL 1-2000 (TABLE 6) FINGER POSITION CODES: 0 = Unknown 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers		

Grayscale Compression Algorithm [Latent – Binary] (Deprecated)

Type-7 Binary Latent Image (Deprecated)

Grayscale Compression Algorithm [Latent – Binary] (Deprecated)

Field ID (Mnemonic)	8 (GCA)		
Description	This mandatory one-byte field shall occupy the 18th byte of a Type-7 record. It shall be used to specify the type of grayscale compression algorithm used (if any). A binary "0" denotes no compression. Otherwise, the contents of this byte shall be a binary representation for the number allocated to the particular compression technique used by the interchange parties. The FBI maintains a registry relating these numbers to the compression algorithms.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 1	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	LATENT IMAGE COMPRESSION ALGORITHM CODES: 　0 = No Compression 　Allocated Compression Algorithms = See FBI Registry		

Horizontal Line Length [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	n/a		
Description	This mandatory two-byte field shall occupy the 14th and 15th bytes of the Type-7 record. It shall be used to specify the number of pixels contained on a single horizontal line of the transmitted image.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	2 to 2	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Data [Latent - Binary] (Deprecated)

Type-7 Binary Latent Image (Deprecated)

Image Data [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	9 (IMG)		
Description	This binary field shall contain all of the high-resolution grayscale image data. Each pixel of the uncompressed image shall be quantized to eight bits (256 gray levels) contained in a single byte. If compression is used, the pixel data shall be compressed in accordance with the compression technique specified in the CGA field. This completes the high-resolution image description for a single image.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 6,200,000	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Designation Character [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	2 (IDC)		
Description	This mandatory one byte binary field shall be used to identify the image data contained in this record. The IDC contained in this field shall be a binary representation of the IDC found in the file content field of the Type-1 record.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to 1	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Scanning Resolution [Latent - Binary] (Sunset)

Type-7 Binary Latent Image (Deprecated)

Image Scanning Resolution [Latent - Binary] (Sunset)

Field ID (Mnemonic)	5 (ISR)		
Description	This mandatory one-byte field shall occupy the thirteenth byte of a Type-7 record. It shall contain a binary value of "0" if the minimum scanning resolution is used and a "1" if the native scanning resolution is used.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Bytes	1 to 1	**DoD EBTS 3.0**	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Only used in Type4/7 and Type4/7 are not recommended in EBTS 2.0.>		

Look Up Codes	IMAGE SCANNING RESOLUTION CODES:
	  0 = Minimum Scanning Resolution
	  1 = Native Scanning Resolution		

Impression Type [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	3 (IMP)		
Description	This mandatory one-byte field shall occupy the sixth byte of a Type-7 record. The code selected from Table 5 "Finger impression type", in the ANSI/NIST standard referenced above, describes the manner by which the fingerprint image information was obtained.		
Remarks	n/a		
Format	n/a	**Source**	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Bytes	1 to 1	**DoD EBTS 3.0**	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		

Look Up Codes	FINGER IMPRESSION CODES:
	  0 = Livescan (type unknown or unspecified) - Fingerprint Plain
	  1 = Livescan (type unknown or unspecified) - Fingerprint Rolled
	  2 = Non-livescan (e.g. inked) - Fingerprint Plain
	  3 = Non-livescan (e.g. inked) - Fingerprint Rolled
	  4 = Latent Impression - Fingerprint
	  5 = Latent Tracing - Fingerprint
	  6 = Latent Photo - Fingerprint
	  7 = Latent Lift - Fingerprint		

Logical Record Length [Type-7] (Deprecated)

Type-7 Binary Latent Image (Deprecated)

Logical Record Length [Type-7] (Deprecated)

Field ID (Mnemonic)	1 (LEN)		
Description	This mandatory four-byte binary field shall contain the length of the logical record specifying the total number of bytes, including every byte of all the fields contained in the record.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	4 to 4	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length [Latent - Binary] (Deprecated)

Field ID (Mnemonic)	7 (VLL)		
Description	This mandatory two-byte field shall occupy the 16th and 17th bytes of the Type-7 record. It shall be used to specify the number of horizontal lines contained in the transmitted image.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-7.1 (Type-7)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	2 to 2	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By			
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Common)

Annotated Information

Field ID (Mnemonic)	9.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Field ID (Mnemonic)	9.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Common)

Annotated Information

Processing Algorithm Name / Version

Field ID (Mnemonic)	9.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Owner

Field ID (Mnemonic)	9.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Common)

Annotated Information

Process Description

Field ID (Mnemonic)	9.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Device Unique Identifier

Field ID (Mnemonic)	9.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Impression Type

Type-9 Minutiae Data Record (Common)

Impression Type

Field ID (Mnemonic)	9.003 (IMP)		
Description	This mandatory field shall indicate the manner by which the friction ridge print was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE IMPRESSION CODES: 0 = Livescan (type unknown or unspecified) - Fingerprint Plain 1 = Livescan (type unknown or unspecified) - Fingerprint Rolled 2 = Non-livescan (e.g. inked) - Fingerprint Plain 3 = Non-livescan (e.g. inked) - Fingerprint Rolled 4 = Latent Impression - Fingerprint 5 = Latent Tracing - Fingerprint 6 = Latent Photo - Fingerprint 7 = Latent Lift - Fingerprint 8 = Livescan Vertical Swipe - Fingerprint Plain 10 = Livescan (type unknown or unspecified) - Palm 11 = Non-livescan (e.g. inked) - Palm 12 = Latent Impression - Palm 13 = Latent Tracing - Palm 14 = Latent Photo - Palm 15 = Latent Lift - Palm 20 = Livescan Optical Contact - Fingerprint Plain 21 = Livescan Optical Contact - Fingerprint Rolled 22 = Livescan Non-Optical Contact - Fingerprint Plain 23 = Livescan Non-Optical Contact - Fingerprint Rolled 24 = Livescan Optical Contactless - Fingerprint Plain 25 = Livescan Optical Contactless - Fingerprint Rolled 26 = Livescan Non-Optical Contactless - Fingerprint Plain 27 = Livescan Non-Optical Contactless - Fingerprint Rolled 28 = Other 29 = Unknown 30 = Live-scan plantar 31 = Nonlive-scan plantar 32 = Latent impression plantar 33 = Latent tracing plantar 34 = Latent photo plantar 35 = Latent lift plantar 36 = Latent impression unknown friction-ridge 37 = Latent tracing unknown friction-ridge 38 = Latent photo unknown friction-ridge 39 = Latent lift unknown friction-ridge		

Information Designation Character

Type-9 Minutiae Data Record (Common)

Information Designation Character

Field ID (Mnemonic)	9.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Field ID (Mnemonic)	9.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Common)

Make/Model/Serial Number

Make

Field ID (Mnemonic)	9.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Model

Field ID (Mnemonic)	9.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Common)

Make/Model/Serial Number

Serial Number

Field ID (Mnemonic)	9.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutia Format

Field ID (Mnemonic)	9.004 (FMT)		
Description	This mandatory field is retained only for backward compatibility. It was a mandatory field in previous versions of the standard. This field shall always have a value "U", unless including legacy records 9.005 through 9.012 (described in ANSI/NIST-ITL 1-2007 and ANSI/NIST-ITL 2-2008), when this field shall contain "S".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	FMT = U		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	MINUTIA FORMAT CODES:
	  S = Standard Format (Deprecated)
	  U = User-Defined Format		

Record Header

Type-9 Minutiae Data Record (Common)

Record Header

Field ID (Mnemonic)	9.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	9.226-299,400-900,905-999 ()		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Universal Latent Annotation

Type-9 Minutiae Data Record (Common)

Universal Latent Annotation

Field ID (Mnemonic)	9.901 (ULA)		
Description	This optional field is used to store annotation, logging, or processing information associated with the FBI-developed Universal Latent Workstation (ULW) or compatible software. If present, this text field shall consist of one or more entries, each with up to 300 characters that describe a single processing step. Each entry shall begin with the date and time followed by a hyphen encoded as: "{M}M/{D}D/YYYY {h}h:mm:ss {AM|PM} - " (e.g. "3/27/2010 7:21:47 PM - "). The remainder of the entry shall contain an unformatted text string describing a process or procedure applied to the fingerprint, palmprint, or plantar print associated with this Type-9 record. Additional entries may be included, each describing a subsequent processing step.		
Remarks	n/a		
Format	{M}M/{D}D/YYYY {h}h:mm:ss {AM|PM} - <free form text>	**Source**	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	22 to 300	**DoD EBTS 3.0**	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	date concatenated with text		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Core Location

Field ID (Mnemonic)	9.008 (CRP)		
Description	The X and Y coordinates of the core in units of 10 micrometers with the origin at the upper left of the fingerprint image. Note: Also called Core Position.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	XXXXYYYY	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Delta Location

Field ID (Mnemonic)	9.009 (DLT)		
Description	The X and Y coordinates of the delta in units of 10 micrometers with the origin at the upper left of the fingerprint image. Note: Also called Delta Position.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	XXXXYYYY	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Finger Position [Standard Feature]

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Finger Position [Standard Feature]

Field ID (Mnemonic)	9.006 (FGP)
Description	Contain the code designating the finger or palm position.
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features. Please refer to ANSI/NIST ITL 1-2000 Table 6 and 19 for the list of codes for this record.

Format	n/a	**Source**	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	Finger/Palm Position	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGER POSITION CODES:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  19 = EJI or tip
	PALM POSITION CODES:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar			

Fingerprint Pattern Classification

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Fingerprint Pattern Classification

Field ID (Mnemonic)	9.007 (FPC)		
Description	Contains the fingerprint pattern classification code. It shall contain two information items: Pattern Classification Source and Standard Pattern Classification.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pattern Classification Source

Field ID (Mnemonic)	9.007_1 (PCS)		
Description	This field shall indicate the source of the specific pattern classification code. It may be one chosen from Table 8 or may be a user-defined classification code. This item shall contain a "T" to indicate that the pattern classification code is from Table 8, or a "U" to indicate that the code is user-defined.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	PATTERN CLASSIFICATION SOURCE CODES: T = the pattern classification code is from ANSI/NIST ITL 1-2000 Table 8 U = User-defined		

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Fingerprint Pattern Classification

Standard Pattern Classification

Field ID (Mnemonic)	9.007_2 (SPC)		
Description	This field shall contain the pattern classification code chosen from Table 8 or a specific user-defined code. When it is not possible to uniquely identify the fingerprint class, reference fingerprint classes may be used and shall be separated by the "RS" character.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	STANDARD FINGERPRINT CLASSIFICATION CODES: PA = Plain arch TA = Tented arch RL = Radial loop UL = Ulnar loop PW = Plain whorl CP = Central pocket loop DL = Double loop AW = Accidental whorl WN = Whorl, type not designated RS = Right slant loop LS = Left slant loop SR = Scar XX = Partial print due to amputation UN = Unknown or unclassifiable		

Minutiae and Ridge Count Data [Standard Features]

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Minutiae and Ridge Count Data [Standard Features]

Field ID (Mnemonic)	9.012 (MRC)		
Description	This variable field length shall contain all of the individual minutiae and ridge count data associated with the current fingerprint impression. It shall be comprised of as many subfields as there are minutiae stated in the minutiae count in Field 9.010. Each subfield shall be devoted to a single minutia and shall consist of multiple information items. The first two information items shall always appear; the appearance of others is system dependent. The information items are identified in the order that they shall appear. All information items shall be separated from the subsequent items by the "US" separator character.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutiae Index Number

Field ID (Mnemonic)	9.012_1 (MRC_IND)		
Description	This information item is the minutiae index number, which shall be initialized to "1" and incremented by "1" for each additional minutia in the fingerprint.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Minutiae and Ridge Count Data [Standard Features]

X, Y and Theta Values

Field ID (Mnemonic)	9.012_2 (MRC_XYT)		
Description	For minutiae encoded from fingerprints, the X and Y coordinates (two 4-digit values ranging from zero upward), and the Theta value (a 3-digit value between 000 and 359) shall comprise the second required information item. These three values shall be coded and recorded as a single 11-digit integer number corresponding to the concatenated X, Y, and Theta values, in that order. For minutiae encoded from palmprints, the X and Y coordinates (two 5-digit values ranging from zero upward), and the three-digit Theta value shall comprise the second required information item. These three values shall be coded and recorded as a single 13-digit integer number corresponding to the concatenated X, Y, and Theta values, in that order.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	11 to 13	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Quality Measure

Field ID (Mnemonic)	9.012_3 (MRC_QM)		
Description	This information item is the minutiae quality measure. The two-digit values shall range from 0 to 63. The value zero shall indicate a manually encoded minutia. The value "1" shall indicate that no method of indicating a confidence level is available. Values between 2 and 63 shall indicate decreasing levels of confidence, with 2 denoting the greatest confidence.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Minutiae and Ridge Count Data [Standard Features]

Minutiae Type Designation

Field ID (Mnemonic)	9.012_4 (MRC_MTD)		
Description	Four identifier characters that are used to describe the minutia type.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	Minutia Type [Standard]	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ANSI/NIST ITL 1-2000 (TABLE 7) MINUTIA CODES:
	  A = Ridge ending
	  B = Ridge bifurcation
	  C = Compound (trifurcation or crossover)
	  D = Type undetermined		

Ridge Count Data [Standard Features]

Field ID (Mnemonic)	9.012_5 (MRC_RCD)		
Description	A series of information items, each consisting of a minutia number and a ridge count. This information shall be conveyed by listing the identity (index number) of the distant minutia followed by a comma, and the ridge count to that distant minutia.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features. See ANSI/NIST 1-2000 for detail.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	NS		
Special Chars	Comma		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutiae Ridge Count Indicator

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Minutiae Ridge Count Indicator

Field ID (Mnemonic)	9.011 (RDG)		
Description	Indicates the presence of minutiae ridge count information. A "0" in this field indicates that no ridge count information is available. A "1" indicates that ridge count information is available.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	MINUTIAE RIDGE COUNTER INDICATION CODES: 0 = no ridge count information is available 1 = ridge count information is available		

Number of Minutiae

Field ID (Mnemonic)	9.010 (MIN)		
Description	This field shall contain the count of the number of minutiae recorded for this fingerprint. Remarks: IAFIS Features: The number should not exceed 254. If the number of minutiae provided in this field exceeds the number of minutiae the system can accommodate, the list will be truncated according to the reported minutiae quality. Minutiae below the proximal crease generally are not included.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Originating Fingerprint Reading System

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Originating Fingerprint Reading System

Field ID (Mnemonic)	9.005 (OFR)		
Description	This optional field shall contain three information items relating to the originating fingerprint reading system.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Originating Fingerprint Reading System Name

Field ID (Mnemonic)	9.005_1 (OFR_NAM)		
Description	The originator's designation or name for the particular fingerprint or palmprint reading system that generated this record.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

UNCLASSIFIED

Type-9 Minutiae Data Record (Standard Features - Legacy Only)

Originating Fingerprint Reading System

Originating Fingerprint Reading System Method

Field ID (Mnemonic)	9.005_2 (OFR_MET)		
Description	This field shall be a single character to indicate the method by which the minutiae data was read, encoded, and recorded. The following coding shall be used: (1) "A", if the data was automatically read, encoded, and recorded without any possibility of human editing; (2) "U", if human editing was possible but unneeded; (3) "E", if the data was automatically read but manually edited before encoding and recording; (4) "M", if the data was manually read.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ORIGINATING FINGERPRINT READING SYSTEM METHOD CODES:
	  A = Data was automatically read, encoded, and recorded without any possibility of human editing
	  U = Human editing was possible but unneeded
	  E = Data was automatically read but manually edited before encoding and recording
	  M = Data was manually read
	  For BISA Badge Color Code = See BISA lookup file: Badge_color.txt		

Originating Fingerprint Reading System Sub-System

Field ID (Mnemonic)	9.005_3 (OFR_SUB)		
Description	This field is an optional, two-character, user-generated subsystem designator that uniquely identifies the originator's equipment.		
Remarks	Use of this element with Type-9/Minutiae Data (Standard Feature) is discouraged. DoD EBTS 2.0 only specifies the use of Type-9/Minutiae Data for IAFIS Features and INCITS M1-378 Features.		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

AFIS/FBI Pattern Classification

Field ID (Mnemonic)	9.017 (APC)		
Description	This field contains one to three information items with each composed of three information items. Each information item reports a possible basic pattern class (APAT) and the ridge counts (RCN1, RCN2) defining its subpattern class. It further subdivides the basic pattern classes of loops and whorls according to the count of ridges crossed or touched along a straight line joining the core(s) to the delta(s). The count is one more than the number of intervening ridges. For latents, the latent examiner is expected to make a best estimate as opposed to a range. AFIS/FBI treats all indicated pattern classes equally (i.e., no significance given to the order of the possible classes provided). AFIS/ FBI will apply a suitable tolerance to the specified ridge count for search space penetration.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pattern Classification Code

Field ID (Mnemonic)	9.017_1 (APAT)		
Description	The list of acceptable CJIS pattern level fingerprint classifications.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	Pattern Classification	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT CJIS PATTERN CLASSIFICATION CODES: AU = Arch (type not designated) LS = Left slant loop RS = Right slant loop WU = Whorl (type not designated) SR = Complete scar XX = Partial print due to amputation UC = Unable to classify UP = Unable to print (e.g. bandaged)		

Type-9 Minutiae Data Record (IAFIS Features)

AFIS/FBI Pattern Classification

First Subpattern Ridge Count

Field ID (Mnemonic)	9.017_2 (RCN1)		
Description	The First Subpattern Ridge Count/Ridge Count Number (RCN1) represents the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. For whorls, both the RCN1 and the RCN2 values have meaning. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges, and 0 indicates that the ridge count is not applicable.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	Ridge Count Number 1	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT RIDGE NUMBER 1 CODES: 0 = Arch (type not designated) 1-31 = Left slant loop 1 1-31 = Right slant loop 1 1-31 = Whorl (type not designated) 0 = Complete scar 0 = Amputation 0 or 31 = Unable to classify		

Type-9 Minutiae Data Record (IAFIS Features)

AFIS/FBI Pattern Classification

Second Subpattern Ridge Count

Field ID (Mnemonic)	9.017_3 (RCN2)		
Description	The Second Subpattern Ridge Count/Ridge Count Number (RCN2) represents the number of ridges between the core and the delta. For right and left slant loops, this count identifies the ridges crossed on a line between the core and the delta. For whorls, both the RCN1 and the RCN2 values have meaning. Permissible values are 1 to 30 for actual ridge counts and 30 if there are more than 30 ridges. The count of 31 indicates an unknown number of ridges, and 0 indicates that the ridge count is not applicable.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	Ridge Count Number 2	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT RIDGE NUMBER 2 CODES: 0 = Arch (type not designated) 0 = Left slant loop 2 0 = Right slant loop 2 1-31 = Whorl (type not designated) 0 = Complete scar 0 = Amputation 0 or 31 = Unable to classify		

AFIS Feature Vector

Field ID (Mnemonic)	9.013 (AFV)		
Description	This field is a bit-packed field on the minutiae, the nearest neighbors, pattern class, and ridge counts. Its presence in the Type-9 record is allowed by including a "U" in the tagged field MINUTIAE FORMAT. It possesses sufficient features data to replace the rest of the Type-9 native mode record.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	2,048 to 2,048	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Characterization Quality

Type-9 Minutiae Data Record (IAFIS Features)

Characterization Quality

Field ID (Mnemonic)	9.024 (CHQ)		
Description	This is a single information item field. Within AFIS/FBI, the principal quality parameter is the "Equivalent Number of Minutiae." The distribution of the parameter over thousands of fingerprints approximates a Gaussian distribution with a mean of about 50 and a standard deviation of about 12. The equivalent number of minutiae is calculated as the sum of the weighted normalized quality with the weighting being the number of qualified neighbors for the minutiae divided by the maximum number of neighbors (eight). The normalized minutiae quality ranges from unity (best) to zero (worst). A qualified neighbor would be another minutiae with a reliable separating ridge count (less than 14) and within a reliable distance (not more than 1/5 inch).		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Classifier Quality

Field ID (Mnemonic)	9.025 (CLQ)		
Description	This is a single information item field of seven characters representing a positive real number between one (1.0000) and 99 (99.9999) indicating the quality or confidence of the automatic classification. The presence of the information item may reduce the AFIS/FBI processing load, but its absence will not degrade AFIS/FBI performance. A value of 1.0000 indicates best possible quality or confidence; increasing values indicate progressively worse quality or confidence. The information item format shall be XX.YYYY in which XX represents the integer portion and YYYY the fractional portion to four decimal places with a decimal point (period) between.		
Remarks	n/a		
Format	XX.YYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	6 to 7	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Coordinate Offsets

Type-9 Minutiae Data Record (IAFIS Features)

Coordinate Offsets

Field ID (Mnemonic)	9.019 (COF)		
Description	This field allows the recording of translation, rotation, and image cropping employed in the characterization process to allow the examiner or analyst to overlay onto the original or intermediate image the features reported in this record. The units are in original image pixels and degrees using standard image processing coordinates; that is, (0,0) origin at the upper left, column index increasing from left to right, and row index increasing from top to bottom. The column and row coordinate indexes (XYP) shall be coded as a single eight-digit integer number composed of a four-digit column coordinate (X) connected to a four-digit row coordinate (Y) using a format of XXXXYYYY. A minus sign is permitted in the leftmost digit of a four-digit group.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Offset to Upper Left Corner Subimage

Field ID (Mnemonic)	9.019_1 (XYP)		
Description	The offset to the upper left corner of a non-rotated subimage used subsequently in image processing.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Coordinate Offsets

Center of Rotation in Subimage

Field ID (Mnemonic)	9.019_2 (XYP)		
Description	The coordinates of the center of rotation within the Subimage about which the Subimage is rotated.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rotation Angle Clock Wise Degrees

Field ID (Mnemonic)	9.019_3 (THET)		
Description	The clockwise rotation angle (THET) in ten-thousandths of a degree resolution (e.g., 072.2342) including the decimal point.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Coordinate Offsets

Rotation Center in Rotated Subimage

Field ID (Mnemonic)	9.019_4 (XYP)		
Description	The item contains the coordinates of the center of rotation within the subimage about which the subimage is rotated.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Offset to Upper Left Corner Final Subimage

Field ID (Mnemonic)	9.019_5 (XYP)		
Description	The fifth information item contains the upper-left-corner column and row offsets to a cropped subimage taken from the rotated image once adjusted to eliminate negative coordinate values.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Core Attributes

Type-9 Minutiae Data Record (IAFIS Features)

Core Attributes

Field ID (Mnemonic)	9.021 (CRA)		
Description	The complete, unparsed information for cores that can be perceived in the fingerprint (both ten-print and latent). If there is no core perceived in the fingerprint image, the tagged field should be omitted.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Core Location

Field ID (Mnemonic)	9.021_1 (XYM)		
Description	The X and Y coordinates of the core in units of 10 micrometers with the origin at the upper left of the fingerprint image. Note: Also called Core Position.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Core Attributes

Core Direction in Degrees

Field ID (Mnemonic)	9.021_2 (DID)		
Description	The direction in integer degrees counterclockwise from horizontal right of the core opening through the center of the curvature for the innermost recurve at maximum curvature.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Core Position Uncertainty

Field ID (Mnemonic)	9.021_3 (PUM)		
Description	The radius in integer units of 10 micrometers of the position uncertainty in the manual or automatic placement of the core.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Delta Attributes

Type-9 Minutiae Data Record (IAFIS Features)

Delta Attributes

Field ID (Mnemonic)	9.022 (DLA)		
Description	The complete, unparsed information for deltas that can be perceived in the fingerprint for both AFIS/FBI latent and ten-print characterizations.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Delta Location

Field ID (Mnemonic)	9.022_1 (XYM)		
Description	The X and Y coordinates of the delta in units of 10 micrometers with the origin at the upper left of the fingerprint image. Note: Also called Delta Position.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Delta Attributes

Upward Flow Direction

Field ID (Mnemonic)	9.022_2 (DID)		
Description	The direction in integer degrees counterclockwise from horizontal right of the direction of the ridge flow upward from the delta. Direction angles shall be reported between "001" and "360" degrees only. The value "000" shall be reserved for "direction not provided" while "360" shall be equivalent to zero degrees.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Leftward Flow Direction

Field ID (Mnemonic)	9.022_3 (DID)		
Description	The direction in integer degrees counterclockwise from horizontal right of the direction of the ridge flow outward from the delta and to the left. Direction angles shall be reported between "001" and "360" degrees only. The value "000" shall be reserved for "direction not provided" while "360" shall be equivalent to zero degrees.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Delta Attributes

Rightward Flow Direction

Field ID (Mnemonic)	9.022_4 (DID)		
Description	The direction in integer degrees counterclockwise from horizontal right of the direction of the ridge flow outward from the delta and to the right. Direction angles shall be reported between "001" and "360" degrees only. The value "000" shall be reserved for "direction not provided" while "360" shall be equivalent to zero degrees.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Delta Position Uncertainty

Field ID (Mnemonic)	9.022_5 (PUM)		
Description	The radius of position uncertainty in the manual or automatic placement of the delta in integer units of 10 micrometers.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Finger Number

Type-9 Minutiae Data Record (IAFIS Features)

Finger Number

Field ID (Mnemonic)	9.014 (FGN)		
Description	This two-byte field shall contain a character designating the finger position.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT TEN FINGER NUMBER PLUS UNKNOWN CODES: 00 = Unknown 01 = Right thumb 02 = Right index finger 03 = Right middle finger 04 = Right ring finger 05 = Right little finger 06 = Left thumb 07 = Left index finger 08 = Left middle finger 09 = Left ring finger 10 = Left little finger		

Fingerprint Characterization Process

Field ID (Mnemonic)	9.016 (FCP)		
Description	This field of three information items identifies the characterization equipment and the amount of manual intervention employed in the characterization process.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Fingerprint Characterization Process

Fingerprint Characterization Equipment

Field ID (Mnemonic)	9.016_1 (VEN)		
Description	The name of the organization (VEN) providing the fingerprint characterization process software.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 12	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Fingerprint Characterization Version Identifier

Field ID (Mnemonic)	9.016_2 (VID)		
Description	The vendor-supplied, alphanumeric character pair representing the model and/or version of the automatic process used in fingerprint characterization.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Fingerprint Characterization Process

Fingerprint Characterization Method

Field ID (Mnemonic)	9.016_3 (MET)		
Description	An ordered sequence of three characters indicating the degree of automation in the fingerprint characterization process.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT CHARACTERIZATION CODES:
	  C = First (leftmost) character (classification): Automatic pattern classification without manual intervention
	  N = Manually initiated or verified pattern classification
	  A = Second (middle) character (minutiae generation): Minutiae automatically generated, no manual editing or verification
	  E = Minutiae automatically generated, examiner verified or edited
	  M = Minutiae manually generated by examiner
	  S = Third (rightmost) character (ridge count): Automatic, synthesized ridge count without manual verification
	  T = Automatic, actual ridge count without manual verification
	  V = Automatic ridge count any method; examiner edited or verified		

Information Designation Character

Field ID (Mnemonic)	9.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Minutia and Ridge Count Data

Field ID (Mnemonic)	9.023 (MAT)		
Description	This field shall contain all of the individual minutiae and ridge count data associated with the current fingerprint Impression. It shall be composed of as many information items as there are minutiae stated in the NUMBER OF MINUTIAE (NMN). Each information item shall be devoted to a single minutia and shall consist of multiple information items. The minutiae shall be indexed from one to NMN and need not be ordered according to any particular attribute.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	Minutia and Ridge Count Data [IAFIS Features]	DoD EBTS 1.2	Yes
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutiae Index Number

Field ID (Mnemonic)	9.023_1 (MDX)		
Description	This information item is the minutiae index number, which shall be initialized to "1" and incremented by "1" for each additional minutia in the fingerprint.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Minutia and Ridge Count Data

Location Direction

Field ID (Mnemonic)	9.023_2 (XYT)		
Description	The X and Y coordinates are values ranging from zero upward, and the theta direction value, between 000 and 360, shall comprise the second required information item. These three values shall be coded and recorded as a single 11-digit integer number corresponding to the connected X, Y, and theta values, in that order. If the minutia is of Type D, the theta value shall be recorded as "000." The origin of the coordinate system shall be the upper left corner of the image with X increasing to the right and Y increasing downward. The coordinate system units shall be units of 0.01mm (10 micrometers). The direction of an ending shall be into the ending ridge and the direction of a bifurcation shall be into the white space created by the dividing ridge. Angles shall be in integer degrees measured positive counterclockwise from a reference horizontal and to the right. The XY coordinates shall be applied after all rotation and translation of the image has been accomplished.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	11 to 11	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Quality Measure

Field ID (Mnemonic)	9.023_3 (QMS)		
Description	This information item is the minutiae quality measure. The two-digit values shall range from 0 to 63. The value zero shall indicate a manually encoded minutia. The value "1" shall indicate that no method of indicating a confidence level is available. Values between 2 and 63 shall indicate decreasing levels of confidence, with 2 denoting the greatest confidence.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Minutia and Ridge Count Data

Minutiae Type [IAFIS Features]

Field ID (Mnemonic)	9.023_4 (MNT)		
Description	A single character designating the minutiae type within the IAFIS Features for minutiae record type.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT IAFIS MINUTIAE CODES:
	  A = Ridge ending
	  B = Ridge bifurcation
	  C = Ridge ending or bifurcation, no distinction provided
	  D = Type other than ending or bifurcation		

Ridge Count Data [IAFIS Features]

Field ID (Mnemonic)	9.023_5 (MRO)		
Description	The ridge count data for the nearest neighboring minutia of the indexed minutia. It shall be formatted as a series of eight sub-items, each consisting of a minutiae index number and a ridge count. This information shall be conveyed by combining the identity (MDX) of the neighboring minutia and the ridge count to that neighboring minutiae into a five digit number. For AFIS/FBI, the minutiae identification index (MDX) shall increase from 1 to 254. The ridge count values (one more than number of intervening ridges) shall range from 0 to 15; with 14 indicating a count greater than 13, and 15 indicating an indeterminate count. Up to eight neighboring minutiae can be recorded, each being the nearest neighbor in an angular sector of 45 degrees (octant) with the zero-th octant centered (+/- 22.5 degrees) and aligned with the direction of the minutiae and increasing in octant index in the counterclockwise direction. If a minutia does not have a neighbor in a particular octant, the value "25515" should be used for the sub-item.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	Ridge Count Data	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	5 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Minutia and Ridge Count Data

Octant Residuals

Field ID (Mnemonic)	9.023_6 (RSO)		
Description	Indicates into which half of the octant each neighboring minutia lies. The characters are ordered left to right according to the ascending octant index. The corresponding character shall be 1 if the neighboring minutia lies in the counterclockwise half of the octant. The corresponding character shall be 0 if the neighboring minutia lies in the clockwise half of the octant or if there is no neighboring minutiae in the octant.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Number of Minutiae

Field ID (Mnemonic)	9.015 (NMN)		
Description	This field shall contain the count of the number of minutiae recorded for this fingerprint. Remarks: IAFIS Features: The number should not exceed 254. If the number of minutiae provided in this field exceeds the number of minutiae the system can accommodate, the list will be truncated according to the reported minutiae quality. Minutiae below the proximal crease generally are not included.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Orientation Uncertainty

Type-9 Minutiae Data Record (IAFIS Features)

Orientation Uncertainty

Field ID (Mnemonic)	9.020 (ORN)		
Description	The orientation uncertainty is a substantial contribution for AFIS/FBI latent characterizations and is not used for ten-print searches. This one-to-three character field contains an estimate of the deviation in degrees of the latent image (after rotation and translation to support editing and characterization) relative to fingertip up. The uncertainty would be zero if the impression were made with the extended finger aligned with the vertical of the displayed image. It is expected to be a human visual estimate of "the final image is aligned tip up within about X-degrees." If the examiner does not provide an estimate, the default value shall be 180.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Region of Value Polygon

Field ID (Mnemonic)	9.018 (ROV)		
Description	The complete, unparsed information defining the 3 to 20 vertices of a polygon that bound the region of the image from which the characterization products have been extracted. The order of the vertices must be in their consecutive order around the perimeter of the polygon, either clockwise or counterclockwise. The polygon side defined by the last information item and the first information item shall complete the polygon. The polygon must be a simple, plane figure with no sides crossing and no interior holes.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	1	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (IAFIS Features)

Region of Value Polygon

Vertex

Field ID (Mnemonic)	9.018_1 (XYM)		
Description	One of the vertices of a polygon that bounds the region of the image from which the characterization products have been extracted. It consists of the combination of the row and column coordinates (XYM), with the first four digits representing the column and the second four digits representing the row in the XXXXYYYY structure. The vertices shall be identified in the same coordinate system as the minutiae, cores, and deltas in units of 10 micrometers and padded on the left with zeros as appropriate.		
Remarks	n/a		
Format	XXXXYYYY	Source	IAFIS-DOC-01078-9.3 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

Finger View

Field ID (Mnemonic)	9.133 (FVW)		
Description	This field contains the view number of the finger associated with this record's data. The view number begins with "0" and increments by one to "15". Finger view differentiates multiple images of the same finger that are included in the transaction to be taken consecutively to develop an "average" template for that particular set of finger minutiae for enrollment applications.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= FVW <= 15		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT FINGER VIEW CODES: 0 = View Number 0 1 = View Number 1 2 = View Number 2 3 = View Number 3 4 = View Number 4 5 = View Number 5 6 = View Number 6 7 = View Number 7 8 = View Number 8 9 = View Number 9 10 = View Number 10 11 = View Number 11 12 = View Number 12 13 = View Number 13 14 = View Number 14 15 = View Number 15		

M1 Additional Delta Angles

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Additional Delta Angles

Field ID (Mnemonic)	9.141 (ADA)		
Description	This optional field shall only appear if Field 9.140: M1 delta information / DIN is included in this record.35 This field has been added to handle the two additional angle specifications of INCITS 378 while maintaing backward compatibility with the 2007 version of this standard (Traditional encoding). The subfields shall describe the same deltas in the same order as the subfields of Field 9.140: M1 delta information / DIN. • The first information item (second angle of the delta /ANG2) is the next angle encoded in order of appearance when moving counterclockwise. • The second information item (third angle of the delta / ANG3) is the last angle encoded in order of appearance when moving counterclockwise.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Second Angle of the Delta

Field ID (Mnemonic)	9.141_1 (ANG2)		
Description	The first information item (second angle of the delta /ANG2) is the next angle encoded in order of appearance when moving counterclockwise.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= ANG2 <= 179; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Additional Delta Angles

Third Angle of the Delta

Field ID (Mnemonic)	9.141_2 (ANG3)		
Description	The second information item (third angle of the delta / ANG3) is the last angle encoded in order of appearance when moving counterclockwise.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9)
Previous DDE Name	n/a	DoD EBTS 1.2	
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= ANG3 <= 179; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Capture Equipment Identification

Field ID (Mnemonic)	9.127 (CEI)		
Description	This field shall contain two information items. The first shall contain "APPF" if the equipment used originally to acquire the image was certified to conform with Appendix F (IAFIS Image Quality Specification, January 29, 1999) of CJIS-RS- 0010, the Federal Bureau of Investigation's Electronic Fingerprint Transmission Specification. If the equipment did not conform it will contain the value of "NONE". The second information item shall contain the Capture Equipment ID which is a vendor-assigned product number of the capture equipment. A value of "0" indicates that the capture equipment ID is unreported.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Capture Equipment Identification	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Capture Equipment Identification

Appendix F Status

Field ID (Mnemonic)	9.127_1 (AFS)		
Description	This field shall contain "APPF" if the equipment used originally to acquire the image was certified to conform with Appendix F (IAFIS Image Quality Specification, January 29, 1999) of CJIS-RS- 0010, the Federal Bureau of Investigation's Electronic Fingerprint Transmission Specification. If the equipment did not conform it will contain the value of "NONE".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Capture Equipment Conformance	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	AFS = APPF or NONE		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BIOMETRIC CAPTURE DEVICE CONFORMANCE CODES:
	  APPF = Confirmed to IAFIS Appendix F
	  NONE = Not Conformed		

Capture Equipment Identifier

Field ID (Mnemonic)	9.127_2 (CID)		
Description	The information item shall contain the Capture Equipment [Identifier] which is a vendor-assigned product number of the capture equipment. A value of "0" indicates that the capture equipment ID is unreported.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 30	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None (0 = unreported)		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 CBEFF Information

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 CBEFF Information

Field ID (Mnemonic)	9.126 (CBI)		
Description	This field is mandatory if the INCITS 378 feature set is contained in the transaction. Otherwise, it shall not occur. It shall contain three information items when present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	CBEFF Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

CBEFF Format Owner

Field ID (Mnemonic)	9.126_1 (CFO)		
Description	The information item shall contain the value "27". This is the identification of the CBEFF Format Owner assigned by the International Biometric Industry Association (IBIA) to INCITS Technical Committee M1.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	CFO = 27		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	CBEFF FORMAT OWNER CODES: 27 = CBEFF Format Owner		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 CBEFF Information

CBEFF Format Type

Field ID (Mnemonic)	9.126_2 (CFT)		
Description	The second information item (CBEFF format type / CFT) is assigned a value of "513" (following INCITS 378-2004) if this record contains Field 9.137: M1 finger minutiae data / FMD without Field 9.138: M1 ridge count information / RCI, Field 9.139: M1 core information / CIN or Field 9.140: M1 delta information / DIN. A value of "514" (following INCITS 378-2004) indicates the presence of Field 9.137 and any of the other fields mentioned above. If INCITS 378-2009 is followed, a value of "515" is entered and does not indicate the specific presence or absence of these fields.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	CFT = 513 or 514 for INCITS 378-2004 and 515 for INCITS 378-2009		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CBEFF FORMAT CODES:
	  513 = Record contains only location and angular direction data without any Extended Data Block information.
	  514 = Record contains presence of extended data.
	  515 = INCITS 378-2009		

CBEFF Product Identifier

Field ID (Mnemonic)	9.126_3 (CPI)		
Description	This information item identifies the "owner" of the encoding equipment. The vendor establishes this value. It can be obtained from the IBIA website (www.ibia.org) if it is posted.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	0 to 20	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	CBEFF PRODUCT IDENTIFIER CODES: www.ibia.org = CBEFF Product Identifier		

M1 Core Information

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Core Information

Field ID (Mnemonic)	9.139 (CIN)		
Description	This optional field shall consist of one subfield for each core present in the original image. It can only appear if a value of '514' or '515' is entered in CFT of Field 9.126: M1 CBEFF information / CBI. Each subfield consists of three information items. • The first item ('x' coordinate / XCC) is an integer in pixel units. • The second item ('y' coordinate / YCC) is an integer in pixel units. • The third information item (angle of the core / ANGC) is recorded in units of two degrees. The value shall be between 0 and 179, inclusive.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Core Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

X Coordinate [M1 Core]

Field ID (Mnemonic)	9.139_1 (XCC)		
Description	The first item ('x' coordinate / XCC) is an integer in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Core X Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= XCC <= HLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Core Information

Y Coordinate [M1 Core]

Field ID (Mnemonic)	9.139_2 (YCC)		
Description	The second item ('y' coordinate / YCC) is an integer in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Core Y Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= YCC <= VLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Angle of the Core

Field ID (Mnemonic)	9.139_3 (ANGC)		
Description	The third information item (angle of the core / ANGC) is recorded in units of two degrees. The value shall be between 0 and 179, inclusive.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Core Angle	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= ANGC <= 179		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Delta Information

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Delta Information

Field ID (Mnemonic)	9.140 (DIN)		
Description	This optional field shall consist of one subfield for each delta present in the original image. It can only appear if a value of '514' or '515 is entered in CFT of Field 9.126: M1 CBEFF information / CBI. Each repeating subfield consists of three information items. • The first item ('x' coordinate / XCD) is an integer in pixel units. • The second item ('y' coordinate / YCD) is an integer in pixel units. • The third information item (first angle of the delta / ANG1) is recorded in units of two degrees. The value shall be between 0 and 179, inclusive. This is the angle closest to 90 degrees.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Delta Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

X Coordinate [M1 Delta]

Field ID (Mnemonic)	9.140_1 (XCD)		
Description	The first item ('x' coordinate / XCD) is an integer in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Delta X Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= XCD <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Delta Information

Y Coordinate [M1 Delta]

Field ID (Mnemonic)	9.140_2 (YCD)		
Description	The second item ('y' coordinate / YCD) is an integer in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Delta Y Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= YCD <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

First Angle of the Delta

Field ID (Mnemonic)	9.140_3 (ANG1)		
Description	The third information item (first angle of the delta / ANG1) is recorded in units of two degrees. The value shall be between 0 and 179, inclusive. This is the angle closest to 90 degrees.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Delta Angle	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= ANG1 <= 179; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Finger Minutiae Data

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Finger Minutiae Data

Field ID (Mnemonic)	9.137 (FMD)		
Description	This field has six information items. The total number of minutiae information items must agree with the count found in field 136. The first information item is the minutiae index number, which shall be initialized to "1" and incremented by "1" for each additional minutia in the fingerprint. The second and third information items are the 'x' coordinate and 'y' coordinates of the minutiae in pixel units. The fourth information item is the minutiae angle recorded in units of two degrees. This value shall be nonnegative between 0 and 179 inclusive. The fifth information item is the minutiae type. A value of "0" is used to represent a minutia of type "OTHER", a value of "1" for a ridge ending and a value of "2" for a ridge bifurcation. The sixth information item represents the quality of each minutia. This value shall range from 1 as a minimum to 100 as a maximum. A value of "0" indicates that no quality value is available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Finger Minutiae Data	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= NOM <= 9999		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutia Index Number [M1-378]

Field ID (Mnemonic)	9.137_1 (MAN)		
Description	This information item is the minutiae index number, which shall be initialized to "1" and incremented by "1" for each additional minutia in the fingerprint.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= MAN <= NOM; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Finger Minutiae Data

X Coordinate [M1 Minutiae Data]

Field ID (Mnemonic)	9.137_2 (MXC)		
Description	This information item is the 'x' coordinate of the minutiae in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Minutiae X Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= MXC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Y Coordinate [M1 Minutiae Data]

Field ID (Mnemonic)	9.137_3 (MYC)		
Description	This information item is the 'y' coordinates of the minutiae in pixel units.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Minutiae Y Coordinate	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= MYC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Finger Minutiae Data

Minutiae Angle

Field ID (Mnemonic)	9.137_4 (MAV)		
Description	This information item is the minutiae angle recorded in units of two degrees. This value shall be nonnegative between 0 and 179.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= MAV <= 179; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Minutiae Type [INCITS M1-378 Features]

Field ID (Mnemonic)	9.137_5 (MTY)		
Description	A single numeric character designating the minutiae type within the INCITS M1-378 Features for minutiae record type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	MTY = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FINGERPRINT INCITS MINUTIAE CODES: 0 = Other 1 = Ridge Ending 2 = Ridge Bifurcation		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Finger Minutiae Data

Quality of Minutia

Field ID (Mnemonic)	9.137_6 (QOM)		
Description	This information item represents the quality of each minutia. This value shall range from 1 as a minimum to 100 as a maximum. A value of "0" indicates that no quality value is available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Quality Measure [M1-378 Minutiae]	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QOM <= 100; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Friction Ridge Generalized Position

Field ID (Mnemonic)	9.134 (FGP)		
Description	This is a mandatory field. See ANSI/NIST ITL for details. Valid codes for this field are between 1 and 10, taken from Look Up Codes to indicate the finger position. (Note that codes 16 and 17 are not covered in INCITS 378). The 2007 version restricted this to fingerprint codes. The 2008 version also allowed palm codes, but this version of the ANSI/NIST-ITL standard does not in order to maintain consistency with INCITS 378.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= FGP <= 10		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Friction Ridge Generalized Position

Look Up Codes	13 = Plain right four fingers
	14 = Plain left four fingers
	15 = Left & right thumbs
	16 = Right extra digit
	17 = Left extra digit
	18 = Unknown friction ridge
	19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	20 = Unknown Palm
	21 = Right Full Palm
	22 = Right Writer's Palm
	23 = Left Full Palm
	24 = Left Writer's Palm
	25 = Right Lower Palm
	26 = Right Upper Palm
	27 = Left Lower Palm
	28 = Left Upper Palm
	29 = Right Other
	30 = Left Other
	31 = Right Interdigital
	32 = Right Thenar
	33 = Right Hypothenar
	34 = Left Interdigital
	35 = Left Thenar
	36 = Left Hypothenar
	37 = Right grasp
	38 = Left grasp
	81 = Right carpal delta area
	82 = Left carpal delta area
	83 = Right full palm, including writer's palm
	84 = Left full palm, including writer's palm
	FRICTION RIDGE POSITION CODE - PLANTAR POSITION:
	60 = Unknown sole
	61 = Sole - right foot
	62 = Sole - left foot
	63 = Unknown toe
	64 = Right big toe
	65 = Right second toe
	66 = Right middle toe
	67 = Right fourth toe
	68 = Right little toe
	69 = Left big toe
	70 = Left second toe
	71 = Left middle toe
	72 = Left fourth toe
	73 = Left little toe
	74 = Front / ball of right foot
	75 = Back / heel of right foot
	76 = Front / ball of left foot
	77 = Back / heel of left foot
	78 = Right arch of foot
	79 = Left arch of foot

M1 Friction Ridge Quality Data

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Friction Ridge Quality Data

Field ID (Mnemonic)	9.135 (FQD)		
Description	This mandatory field shall contain the quality of the overall finger minutiae data. There may be a subfield for each algorithm and predictive performance measure. Each subfield shall contain the first information item (quality value / QVU) described in ANSI/NIST ITL. The second two information items are ooptional for this field. (algorithm vendor identification / QAV and algorithm product identification / QAP). This is a change from the 2007 and 2008 versions of the standard which mandated the present of all three information items. This change was made to accommodate those users following the specifications of the Prüm Convention, which does not mandate the second two information items when encoding according to the INCITS 378 standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Finger Quality	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Quality Value

Field ID (Mnemonic)	9.135_1 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or QVU = 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Friction Ridge Quality Data

Algorithm Vendor Identification

Field ID (Mnemonic)	9.135_2 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	9.135_3 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Horizontal Line Length

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Horizontal Line Length

Field ID (Mnemonic)	9.128 (HLL)		
Description	The number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,534 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. 20 The total image size (HLL times VLL) can be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Horizontal Line Length [M1-378 Minutiae]	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Number of Minutiae

Field ID (Mnemonic)	9.136 (NOM)		
Description	This mandatory field shall contain a count of the number of minutiae recorded in this block.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= NOM <= 999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Ridge Count Information

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Ridge Count Information

Field ID (Mnemonic)	9.138 (RCI)		
Description	This optional field shall consist of subfields of three information items. It can only appear if a value of '514' or '515' is entered in CFT of Field 9.126: M1 CBEFF information / CBI. For the first subfield: •The first information item of the first subfield shall indicate the ridge count extraction method. A "0" indicates that no assumption shall be made about the method used to extract ridge counts, nor their order in the record. A "1" indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in four quadrants, and ridge counts for each center minutia are listed together. A "2" indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in eight octants, and ridge counts for each center minutia are listed together. •The remaining two information items of this first subfield shall each contain "0". Subsequent subfields have three information items each: •The first information item (center minutia index / CMI) is a positive integer. • The second information item (neighboring minutia index / NMN) is a positive integer. It shall not be equal to CMI. • The third information (number of ridges crossed / NRC) is a positive integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Ridge Count Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Ridge Count Information

Ridge Count Extraction Method

Field ID (Mnemonic)	9.138_1a (REM)		
Description	The first information item shall indicate the ridge count extraction method. A "0" indicates that no assumption shall be made about the method used to extract ridge counts, nor their order in the record. A "1" indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in four quadrants, and ridge counts for each center minutia are listed together. A "2" indicates that for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in eight octants, and ridge counts for each center minutia are listed together.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	REM = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT RIDGE COUNT EXTRACTION METHOD CODES:
	  0 = no assumption shall be made about the method used to extract ridge counts, nor their order in the record
	  1 = for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in four quadrants, and ridge counts for each center minutia are listed together
	  2 = for each center minutiae, ridge count data was extracted to the nearest neighboring minutiae in eight octants, and ridge counts for each center minutia are listed together		

Filler 1

Field ID (Mnemonic)	9.138_2a (FI1)		
Description	The second information item of this first repeating subfield of Ridge Count Information field. It shall contain "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	FI1 = 0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Ridge Count Information

Filler 2

Field ID (Mnemonic)	9.138_3a (FI2)		
Description	The third information item of this first repeating subfield of the Ridge Count Information field. It shall contain "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	FI2 = 0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Center Minutia Index Number

Field ID (Mnemonic)	9.138_1b (CMI)		
Description	The first information item of subsequent subfields of the Ridge Count Information field is a positive integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= CMI <= NOM; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Ridge Count Information

Neighboring Minutia Index Number

Field ID (Mnemonic)	9.138_2b (NMN)		
Description	The second information item of subsequent subfield of the Ridge Count Information field is a positive integer. It shall not be equal to CMI.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= NMN <= NOM; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Number of Ridges Crossed

Field ID (Mnemonic)	9.138_2c (NRC)		
Description	The third information item of subsequent subfield of the Ridge Count Information field is a positive integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Number of Ridges	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= NRC <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

M1 Vertical Line Length

Type-9 Minutiae Data Record (INCITS M1-378 Features)

M1 Vertical Line Length

Field ID (Mnemonic)	9.129 (VLL)		
Description	The number of horizontal lines contained in the image. The maximum vertical size is limited to 65,534 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Vertical Line Length [M1-378 Minutiae]	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Field ID (Mnemonic)	9.130 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	SLC = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCALE UNIT CODES:
	  1 = Pixels Per Inch
	  2 = Pixels Per Centimeter
	  0 = No Scale		

Transmitted Horizontal Pixel Scale

Type-9 Minutiae Data Record (INCITS M1-378 Features)

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	9.131 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	9.132 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-9) M1 378 Minutiae Features Format
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	postive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

2D Facial Feature Points

Field ID (Mnemonic)	10.029 (FFP)		
Description	The ASCII set shall be used for the exchange of facial image data. When present, it shall describe special attributes of manually or automatically detected facial feature points of the captured facial image. This information shall be entered as a four-information item feature point block. Multiple facial points may be listed using these four information items. But each feature block must be separated.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Facial Feature Points	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Feature Point Type

Field ID (Mnemonic)	10.029_1 (FPT)		
Description	The first information item of 2D Facial Feature Points (FFP) or 3D Facial Feature Points (3DF) is a one character value. It is mandatory. It shall be either 1 = Denoting an MPEG4 Feature point. 2 = Anthropometric landmark. (new in ANSI/NIST ITL 1-2011).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	FPT = 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FEATURE POINT CODES:
	  1 = Denoting an MPEG4 Feature point.
	  2 = Anthropometric landmark. (This is new to this version).		

Feature Point Code

Field ID (Mnemonic)	10.029_2 (FPC)		
Description	The second information item, feature point code / FPC is 3 to 5 characters. If FPT is 1, this information item shall be "A.B" with A and B defined in Section 8.10.28.1 of ANSI/NIST ITL 1-2011. and illustrated in Figure 14. The allowed special character is a period. If FPT is 2, the codes are entered as shown in the "Feature Point ID" column of Table 65. Note that this entry is one to four alphabetic characters.		
Remarks	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

2D Facial Feature Points

Feature Point Code

Format	N.N, N.NN, NN.N, NN.NN, a, aa, aaa or aaaa	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Period		
Value Constraints	see ANSI/NIST ITL 1-2011		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	EYE AND NOSTRIL CENTER FEATURE POINT CODES:
	  12.1 = Left Eye
	  12.2 = Right Eye
	  12.3 = Left Nostril
	  12.4 = Right Nostril
	  3.7, 3.11 = Midpoint of Feature Points for Left Eye
	  3.8, 3.12 = Midpoint of Feature Points for Right Eye
	  9.1, 9.15 = Midpoint of Feature Points for Horizontal Left Hostril
	  9.3, 9.15 = Midpoint of Feature Points for Vertical Left Nostril
	  9.2, 9.15 = Midpoint of Feature Points for Horizontal Right Hostril
	  9.3, 9.15 = Midpoint of Feature Points for Vertical Right Hostril
	FEATURE POINT ID & MPEG4 FEATURE POINT FOR ISO DEFINITIONS OF THE ANTHROPOMETRIC LANDMARKS:
	  v, 11.4 = vertex (The highest point of head when the head is oriented in Frankfurt Horizon.)
	  g = glabella (The most prominent middle point between the eyebrows)
	  op = opisthocranion (Situated in the occipital region of the head is most distant from the glabella)
	  eu = eurion (The most prominent lateral point on each side of the skull in the area of the parietal and temporal bones)
	  ft = frontotemporale (The point on each side of the forehead, laterally from the elevation of the linea temporalis)
	  tr, 11.1 = trichion (The point on the hairline in the midline of the forehead)
	  y = zygion (The most lateral point of each of the zygomatic bones)
	  go, 2.15, 2.16 = gonion (The most lateral point on the mandibural angle close to the bony gonion)
	  sl = sublabiale (Determines the lower border of the lower lip or the upper border of the chin)
	  pg, 2.10 = pogonion (The most anterior midpoint of the chin, located on the skin surface in the front of the identical bony landmark of the mandible)
	  gn, 2.11 = menton (or gnathion) (The lowest median landmark on the lower border of the mandible)
	  cdl = condylion laterale (The most lateral point on the surface of the condyle of the mandible)
	  en, 3.11, 3.8 = endocanthion (The point at the inner commissure of the eye fissure)
	  ex, 3.7, 3.12 = exocanthion (or ectocanthion) (The point at the outer commissure of the eye fissure)
	  p, 3.5, 3.6 = center point of pupil (Is determined when the head is in the rest position and the eye is looking straight forward)
	  or, 3.9, 3.10 = orbitale (The lowest point on the lower margin of each orbit)
	  ps, 3.1, 3.2 = palpebrale superius (The highest point in the mid-portion of the free margin of each upper eyelid)
	  pi, 3.3, 3.4 = palpebrale inferious (The lowest point in the mid-portion of the free margin of each lower eyelid)
	  os = obitale superius (The highest point on the lower border of the eyebrow)
	  sci, 4.3, 4.4 = superciliare (The highest point on the upper border in the mid-portion of each eyebrow)
	  n = nasion (The point in the middle of both the nasal root and nasofrontal suture)
	  se = sellion (or subnasion) (Is the deepest landmark located on the bottom of the nasofrontal angle)
	  al, 9.1, 9.2 = alare (The most lateral point on each alar contour)
	  prn, 9.3 = pronasale (The most protruded point of the apex nasi)
	  sn, 9.15 = subnasale (The midpoint of the angle at the columella base where the lower border of the nasal septum and the surface of the upper lip meet)
	  sbal = subalare (The point at the lower limit of each alar base, where the alar base disappears into the skin of the upper lip)
	  ac, 9.1, 9.2 = alar curvature (or alar crest) point (The most lateral point in the curved base line of each alar)
	  mf, 9.6, 9.7 = maxillofrontale (The base of the nasal root medially from each endocanthi)

Type-10 Facial, Other Body Part and SMT Image Record

2D Facial Feature Points

X Coordinate

Field ID (Mnemonic)	10.029_3 (HCX)		
Description	The third information item of the 2D Facial Feature Points (FFD) or 3D Facial Feature Points (3DF). It is 1 to 5 characters, denoting the pixel count horizontally to the right from the upper left pixel, which is set to 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HCX <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Y Coordinate

Field ID (Mnemonic)	10.029_4 (HCY)		
Description	The fourth information item of the 2D Facial Feature Points (FFD) or 3D Facial Feature Points (3DF). It is 1 to 5 characters, denoting the pixel count vertically down from the upper left pixel, which is set to 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HCY <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

3D Facial Feature Points

Type-10 Facial, Other Body Part and SMT Image Record

3D Facial Feature Points

Field ID (Mnemonic)	10.032 (3DF)		
Description	The optional field shall describe special attributes of manually or automatically detected facial feature points of the captured facial image(IMT = 'FACE'). It shall be entered as a five-information item feature point block in a subfield. Multiple facial points may be listed using these information items, each in a separate subfield. The maximum number of feature points is 88. This field contains a Z coordinate.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Feature Point Type

Field ID (Mnemonic)	10.032_1 (FPT)		
Description	The first information item of 2D Facial Feature Points (FFP) or 3D Facial Feature Points (3DF) is a one character value. It is mandatory. It shall be either 1 = Denoting an MPEG4 Feature point. 2 = Anthropometric landmark. (new in ANSI/NIST ITL 1-2011).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	FPT = 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FEATURE POINT CODES:
	  1 = Denoting an MPEG4 Feature point.
	  2 = Anthropometric landmark. (This is new to this version).		

Feature Point Code

Field ID (Mnemonic)	10.032_2 (FPC)		
Description	The second information item, feature point code / FPC is 3 to 5 characters. If FPT is 1, this information item shall be "A.B" with A and B defined in Section 8.10.28.1 of ANSI/NIST ITL 1-2011. and illustrated in Figure 14. The allowed special character is a period. If FPT is 2, the codes are entered as shown in the "Feature Point ID" column of Table 65. Note that this entry is one to four alphabetic characters.		
Remarks	n/a		
Format	N.N, N.NN, NN.N, NN.NN, a, aa, aaa or aaaa	Source	ANSI/NIST ITL 1-2011 (Type-10)

Type-10 Facial, Other Body Part and SMT Image Record

3D Facial Feature Points

Feature Point Code

Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 5	**DoD EBTS 3.0**	Yes
Char Types	ANS		
Special Chars	Period		
Value Constraints	see ANSI/NIST ITL 1-2011		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	EYE AND NOSTRIL CENTER FEATURE POINT CODES:
	   12.1 = Left Eye
	   12.2 = Right Eye
	   12.3 = Left Nostril
	   12.4 = Right Nostril
	   3.7, 3.11 = Midpoint of Feature Points for Left Eye
	   3.8, 3.12 = Midpoint of Feature Points for Right Eye
	   9.1, 9.15 = Midpoint of Feature Points for Horizontal Left Hostril
	   9.3, 9.15 = Midpoint of Feature Points for Vertical Left Nostril
	   9.2, 9.15 = Midpoint of Feature Points for Horizontal Right Hostril
	   9.3, 9.15 = Midpoint of Feature Points for Vertical Right Hostril
	FEATURE POINT ID & MPEG4 FEATURE POINT FOR ISO DEFINITIONS OF THE ANTHROPOMETRIC LANDMARKS:
	   v, 11.4 = vertex (The highest point of head when the head is oriented in Frankfurt Horizon.)
	   g = glabella (The most prominent middle point between the eyebrows)
	   op = opisthocranion (Situated in the occipital region of the head is most distant from the glabella)
	   eu = eurion (The most prominent lateral point on each side of the skull in the area of the parietal and temporal bones)
	   ft = frontotemporale (The point on each side of the forehead, laterally from the elevation of the linea temporalis)
	   tr, 11.1 = trichion (The point on the hairline in the midline of the forehead)
	   y = zygion (The most lateral point of each of the zygomatic bones)
	   go, 2.15, 2.16 = gonion (The most lateral point on the mandibural angle close to the bony gonion)
	   sl = sublabiale (Determines the lower border of the lower lip or the upper border of the chin)
	   pg, 2.10 = pogonion (The most anterior midpoint of the chin, located on the skin surface in the front of the identical bony landmark of the mandible)
	   gn, 2.11 = menton (or gnathion) (The lowest median landmark on the lower border of the mandible)
	   cdl = condylion laterale (The most lateral point on the surface of the condyle of the mandible)
	   en, 3.11, 3.8 = endocanthion (The point at the inner commissure of the eye fissure)
	   ex, 3.7, 3.12 = exocanthion (or ectocanthion) (The point at the outer commissure of the eye fissure)
	   p, 3.5, 3.6 = center point of pupil (Is determined when the head is in the rest position and the eye is looking straight forward)
	   or, 3.9, 3.10 = orbitale (The lowest point on the lower margin of each orbit)
	   ps, 3.1, 3.2 = palpebrale superius (The highest point in the mid-portion of the free margin of each upper eyelid)
	   pi, 3.3, 3.4 = palpebrale inferious (The lowest point in the mid-portion of the free margin of each lower eyelid)
	   os = obitale superius (The highest point on the lower border of the eyebrow)
	   sci, 4.3, 4.4 = superciliare (The highest point on the upper border in the mid-portion of each eyebrow)
	   n = nasion (The point in the middle of both the nasal root and nasofrontal suture)
	   se = sellion (or subnasion) (Is the deepest landmark located on the bottom of the nasofrontal angle)
	   al, 9.1, 9.2 = alare (The most lateral point on each alar contour)
	   prn, 9.3 = pronasale (The most protruded point of the apex nasi)
	   sn, 9.15 = subnasale (The midpoint of the angle at the columella base where the lower border of the nasal septum and the surface of the upper lip meet)
	   sbal = subalare (The point at the lower limit of each alar base, where the alar base disappears into the skin of the upper lip)
	   ac, 9.1, 9.2 = alar curvature (or alar crest) point (The most lateral point in the curved base line of each alar)
	   mf, 9.6, 9.7 = maxillofrontale (The base of the nasal root medially from each endocanthi)

Type-10 Facial, Other Body Part and SMT Image Record

3D Facial Feature Points

X Coordinate

Field ID (Mnemonic)	10.032_3 (HCX)		
Description	The third information item of the 2D Facial Feature Points (FFD) or 3D Facial Feature Points (3DF). It is 1 to 5 characters, denoting the pixel count horizontally to the right from the upper left pixel, which is set to 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HCX <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Y Coordinate

Field ID (Mnemonic)	10.032_4 (HCY)		
Description	The fourth information item of the 2D Facial Feature Points (FFD) or 3D Facial Feature Points (3DF). It is 1 to 5 characters, denoting the pixel count vertically down from the upper left pixel, which is set to 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HCY <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

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Type-10 Facial, Other Body Part and SMT Image Record

3D Facial Feature Points

Z Coordinate

Field ID (Mnemonic)	10.032_5 (HCZ)		
Description	The fifth information item of the 3D Facial Feature Points (3DF) field. It is 1 to 5 characters, denoting the pixel count from the X-Y plane, which is set to 0.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 5	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HCZ <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Annotated Information

Field ID (Mnemonic)	10.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	4	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Annotated Information

Greenwich Mean Time

Field ID (Mnemonic)	10.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Processing Algorithm Name / Version

Field ID (Mnemonic)	10.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Annotated Information

Algorithm Owner

Field ID (Mnemonic)	10.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Process Description

Field ID (Mnemonic)	10.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Type-10 Facial, Other Body Part and SMT Image Record

Associated Context

Field ID (Mnemonic)	10.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Field ID (Mnemonic)	10.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Associated Context

Associated Segment Position

Field ID (Mnemonic)	10.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Body Part Image

Field ID (Mnemonic)	10.999 (DATA)		
Description	This mandatory field contains the image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Device Firmware Version Number (Sunset)

Type-10 Facial, Other Body Part and SMT Image Record

Capture Device Firmware Version Number (Sunset)

Field ID (Mnemonic)	n/a		
Description	The firmware version number for the biometric capture device that was used to collect the associated biometric sample.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<ANSI/NIST ITL 20011 has only defined make/model/serial number.>		
Look Up Codes	n/a		

Capture Device Global Identifier (Sunset)

Field ID (Mnemonic)	n/a		
Description	This field shall contain a 16-byte string to indicate a global unique identifier for an image capture device.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	16 to 16	DoD EBTS 3.0	Sunset
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<The GUI field is no longer used in in ANSI/NIST ITL 1-2011. It did not conform to the standard GUI usage in information technology. All other DEV_GI fields were modeled after this.>		
Look Up Codes	n/a		

Capture Time (Sunset)

Type-10 Facial, Other Body Part and SMT Image Record

Capture Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall contain the time in UTC that the biometric sample or contextual information contained in the record was captured. The time shall appear as 6 digits format HHMMSS with 'Z' being the zone designator for the zero UTC offset. The complete time must be a legitimate time.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	7 to 7	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Supported by x.998_1 UTE for Type-10 to 99.>		
Look Up Codes	n/a		

Color Space

Field ID (Mnemonic)	10.012 (CSP)		
Description	It shall contain an entry from the lookup codes below.		
Remarks	See ANSI/NIST ITL 1-2011, section on Color, black-and-white, and grayscale image requirements for detail.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	COLOR SPACE CODES: 　UNK = Undefined 　GRAY = Grayscale (monochrome) 　RGB = Undetermined color space for an RGB image 　SRGB = SRGB (IEC 61966-2-1) 　YCC = YCbCr (legacy) 　SYCC = YCbCr (JPEG 2000 compressed)		

Comment

Type-10 Facial, Other Body Part and SMT Image Record

Comment

Field ID (Mnemonic)	10.038 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm

Field ID (Mnemonic)	10.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images.		
Remarks	WSQ is not supported. The image shall be represented as an array of n rows by m columns by at least 8-bit pixels. Each pixel in a monochrome image shall be represented by eight or more bits. Color images shall be represented as a series of sequential samples of a red, green, and blue intensity for each pixel. The image shall be organized in row-major order, with the lowest address corresponding to the upper left corner of the image. For those images that are to be compressed, the method for the compression of facial and SMT images is specified by the baseline mode of the JPEG, JPEG 2000, or PNG algorithms.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES:
	  NONE = Uncompressed
	  WSQ20 = WSQ Version 2.0
	  JPEGB = JPEG ISO/IEC 10918 (Lossy)
	  JPEGL = JPEG ISO/IEC 10918 (Lossless)
	  JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy)
	  JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless)
	  PNG = Portable Network Graphics		

Type-10 Facial, Other Body Part and SMT Image Record

Device Monitoring Mode

Field ID (Mnemonic)	10.030 (DMM)		
Description	This field provides information describing the human monitoring operation of the image capture device. This field will contain an entry from [possible codes below] to indicate the monitoring mode of the biometric sample capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	7 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BIOMETRIC CAPTURE DEVICE MONITORING MODE CODES:
	    CONTROLLED = Operator physically controls the subject to acquire biometric sample
	    ASSISTED = Person available to provide assistance to subject submitting the biometric
	    OBSERVED = Person present to observe operation of the device but provides no assistance
	    UNATTENDED = No one present to observe or provide assistance
	    UNKNOWN = No information is known		

Device Unique Identifier

Field ID (Mnemonic)	10.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Type-10 Facial, Other Body Part and SMT Image Record

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	Digitization Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Distortion

Field ID (Mnemonic)	10.018 (DIST)		
Description	This optional field (which can be used only if IMT is 'FACE') contains the type of distortion, whether it is estimated or calculated, and its relative severity.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Distortion

Distortion Code

Field ID (Mnemonic)	10.018_1 (IDK)		
Description	The first information item of the Distortion (DIST) field is the distortion code.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	6 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DISTORTION CODES:
	    Barrel = Image appears to be spherized
	    Inflated = wide angle or fisheye distortion
	    Pincushion = image 'pinched' at the center or 'bowed inwards'		

Distortion Measurement Code

Field ID (Mnemonic)	10.018_2 (IDM)		
Description	The second information item of the Distortion field (DIST) is an alphabetic code, which is a distortion measurement code (IDM), that indicates if the distortion is estimated "E" or calculated "C".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DISTORTION MEASUREMENT CODES:
	    E = estimated
	    C = Calculated		

Type-10 Facial, Other Body Part and SMT Image Record

Distortion

Distortion Severity Code

Field ID (Mnemonic)	10.018_3 (DSC)		
Description	The third information item of the Distortion field (DIS) is the distortion severity code (DSC).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 8	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DISTORTION SEVERITY CODES:
	  Mild = mild
	  Moderate = moderate
	  Severe = Severe		

Face Image Bounding Box Coordinates in Full Image

Field ID (Mnemonic)	10.014 (FIP)		
Description	If the face image (IMT = 'FACE') contains more than one face, or is not cropped to a "head only" or "head and shoulders" composition, this optional field contains offsets to the location of the bounding box of the face of the subject within a larger image. This field is only appropriate for images that do not comply with SAP Levels 30, 40, 50 or 51, because those images shall be cropped to a "head only" or "head and shoulders" composition. If the image contains more than one face, the bounding box indicates the face of interest; all associated Type-10 fields are limited to the face defined by the bounding box in the larger image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Face Image Bounding Box Coordinates in Full Image

Left Horizontal Coordinate

Field ID (Mnemonic)	10.014_1 (LHC)		
Description	It is the horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Horizontal Offset Left	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= LHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Right Horizontal Coordinate

Field ID (Mnemonic)	10.014_2 (RHC)		
Description	It is the horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Horizontal Offset Right	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Face Image Bounding Box Coordinates in Full Image

Top Vertical Coordinate

Field ID (Mnemonic)	10.014_3 (TVC)		
Description	The vertical offset (pixel counts down) to the top of the bounding box.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Vertical Offset Top	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= TVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bottom Vertical Coordinate

Field ID (Mnemonic)	10.014_4 (BVC)		
Description	It is the vertical offset from the upper left corner of the image down to the bottom of the bounding box. It is counted in pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Vertical Offset Bottom	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= BVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Face Image Bounding Box Coordinates in Full Image

Bounding Box Head Position Code

Field ID (Mnemonic)	10.014_5 (BBC)		
Description	The fifth information item of FIP is the bounding box type, indicating the contents of the bounding box. If this field is omitted, the default value shall be H (Head only).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FACE POSITION VALUES:
	  S = Head and shoulders: the image within the bounding box is compliant with a "head and shoulders" composition (full frontal)
	  H = Head only: the image within the bounding box is compliant with a "head only" composition
	  F = Face only: the image within the bounding box contains a subject's two eyes, nose and mouth
	  N = Non-frontal head: the image within the bounding box contains the subject's entire head, but it is not frontal-facing or is otherwise not compliant with a "head only" composition
	  X = Partial face: the composition consists of a partial face, containing less than two eyes, nose and mouth		

Face Image Path Coordinates in Full Image

Field ID (Mnemonic)	10.015 (FPFI)		
Description	If the face image (IMT = 'FACE') contains more than one face, or is not cropped to a "head only" or "head and shoulders" composition, this optional field contains offsets to the location of the path defining a region containing the face of the subject within a larger image. This field is only appropriate for images that do not comply with SAP Levels 30, 40, 50 or 51, because those images shall be cropped to a "head only" or "head and shoulders" composition.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Face Image Path Coordinates in Full Image

Boundary Code

Field ID (Mnemonic)	10.015_1 (BYC)		
Description	Defines the shape of a boundary of a feature within an image.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	BYC = C, E or P; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BOUNDARY DEFINITION CODES:
	  C = Circle
	  E = Ellipse
	  P = Polygon		

Number of Points

Field ID (Mnemonic)	10.015_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	2 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Face Image Path Coordinates in Full Image

Horizontal Point Offset

Field ID (Mnemonic)	10.015_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Point Offset

Field ID (Mnemonic)	10.015_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Feature Contours

Type-10 Facial, Other Body Part and SMT Image Record

Feature Contours

Field ID (Mnemonic)	10.033 (FEC)		
Description	Each subfield (See Section 7.8.2) refers to a specific contour on the face (IMT = 'FACE') and contains a minimum of three points.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Feature Contour Codes

Field ID (Mnemonic)	10.033_1 (FCC)		
Description	The first information item of the Feature Contour (FEC).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 14	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FEATURE CONTOUR CODE DESCRIPTIONS:
	   eyetop = Bottom of upper eye lid
	   eyebottom = Top of lower eye lid
	   upperliptop = Top of upper lip
	   upperlipbottom = Bottom of upper lip
	   lowerliptop = Top of lower lip
	   lowerlipbottom = Bottom of lower lip
	   rightnostril = Subject's right nostril
	   leftnostril = Subject's left nostril
	   lefteyebrow = Curvature of top of subject's left eye socket
	   righteyebrow = Curvature of top of subject's right eye socket
	   chin = Chin
	   faceoutline = Face outline includes the entire head, all facial hair, and ears		

Type-10 Facial, Other Body Part and SMT Image Record

Feature Contours

Number of Points

Field ID (Mnemonic)	10.033_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	10.033_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= HPO <= HLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Feature Contours

Vertical Point Offset

Field ID (Mnemonic)	10.033_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= VPO <= VLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	10.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	10.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	10.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	10.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	10.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	10.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	10.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	10.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	10.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	10.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	10.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two integers followed by a single letter		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	10.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	10.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Reference Text

Field ID (Mnemonic)	10.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	10.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Value

Field ID (Mnemonic)	10.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Type-10 Facial, Other Body Part and SMT Image Record

Hash

Field ID (Mnemonic)	10.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Line Length

Field ID (Mnemonic)	10.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive interger		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Image Transform

Field ID (Mnemonic)	10.044 (ITX)		
Description	This optional field is used in the case when the image in this Type-10 record has been transformed from the original image. The untransformed image(s) (optionally) may be included in a Type-20 record. The information item in this field may be repeated if multiple transforms were performed. It can be used for any image type specified in Field 10.003: Image type / IMT .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 11	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see look up codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IMAGE TRANSFORM VALUES: 　AGE = Age progressed 　AXIS = Off-axis image rectification / Angle correction 　COLORSHIFT = Color shifted 　CONTRAST = Contrast stretched 　CROP = Cropped 　DIST = Distortion corrected (e.g. fisheye correction) 　DOWNSAMPLE = Down-sampled 　GRAY = Grayscale from color 　ILLUM = Illumination transform 　IMGFUSE = Image-level fusion of two or more images 　INTERPOLATE = Up-sampled 　MULTCOMP = Multiply compressed 　MULTIVIEW = Multi-view image 　POSE = Face-specific pose correction 　ROTATE = Rotated (in-plane) 　SNIR = Simulated Near IR 　SUPERRES = Super-resolution image, derived from multiple lower resolution images 　WHITE = White balance adjusted		

Image Type

Type-10 Facial, Other Body Part and SMT Image Record

Image Type

Field ID (Mnemonic)	10.003 (IMT)		
Description	Indicate the type of image contained in the Type-10 record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 6	DoD EBTS 3.0	Yes
Char Types	AS		
Special Chars	Blank,Hyphen		
Value Constraints	See Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	TYPE-10 IMAGE CODES: FACE = FACE SCAR = Scar MARK = MARK TATTOO = TATTOO FRONTAL-C = Frontal-C REAR-C = Rear-C FRONTAL-N = Frontal-N REAR-N = Rear-N TORSO-BACk = Torso-Back TORSO-FRONT = Torso-Front CONDITION = Condition MISSING = Missing OTHER = Other CHEST = Chest FEET = Feet HANDS-PALM = Hands-Palm HANDS-BACK = Hands-Back GENITALS = Genitals BUTTOCKS = Buttocks RIGHT LEG = Right Leg LEFT LEG = Left Leg RIGHT ARM = Right Arm LEFT ARM = Left Arm		

Information Designation Character

Type-10 Facial, Other Body Part and SMT Image Record

Information Designation Character

Field ID (Mnemonic)	10.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Lighting Artifacts

Field ID (Mnemonic)	10.019 (LAF)		
Description	This optional field (contains the type of lighting artifacts found in the Type-10 image record. It is only applicable to face images (IMT = 'FACE'). Multiple lighting artifacts may be repeated as separate subfields.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	LIGHTING ARTIFACTS CODES: F = Face shadows H = Hot spots R = Reflections from eye glasses		

Make/Model/Serial Number

Type-10 Facial, Other Body Part and SMT Image Record

Make/Model/Serial Number

Field ID (Mnemonic)	10.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make

Field ID (Mnemonic)	10.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Make/Model/Serial Number

Model

Field ID (Mnemonic)	10.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Serial Number

Field ID (Mnemonic)	10.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

NCIC SMT Code

Type-10 Facial, Other Body Part and SMT Image Record

NCIC SMT Code

Field ID (Mnemonic)	10.040 (SMT)		
Description	This field shall be used only when Field 10.003: Image type / IMT = "SCAR", "MARK", or "TATTOO". It is not used for other images. It is used to identify a general location of the captured scar, mark, tattoo, or other characteristic (including piercings) in an image. The contents of this field shall be from the NCIC code (See Annex D). The captured image may encompass an area larger than that specified by a single NCIC body part code for the particular image type. This situation may be accommodated by listing multiple NCIC codes, each in a separate information item entry. In this case the primary code is listed first. There need not be more than one subfield. For the "marks" category, the NCIC manual lists the common locations for needle track marks. For other body part locations not listed under the "marks" category, use the body location codes listed for scars.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	NCIC Designation Code	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	Values from Annex D of ANSI/NIST ITL 1-2011		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	NCIC DESIGNATION CODES: NCIC Manual = see NCIC Code Manual version 10.3		

Occlusions

Field ID (Mnemonic)	10.045 (OCC)		
Description	This optional field defines the outline and contents of any occlusions that partially or totally blocks the image of the face (IMT = 'FACE'). This is a contour or a polygon.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Occlusions

Occlusion Opacity

Field ID (Mnemonic)	10.045_1 (OCY)		
Description	The first information item of the Occlusions (OCC) field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	OCCLUSION OPACITY CODES: T = (Total) There is no detail in the area of the occlusion. I = (Interference) The occlusion contains interfering texture such as eyelashes, hair or reflection. L = (Partial Light) There is detail in the area of the occlusion that is lighter than the rest of the face or iris. S = (Partial Shadow) There is detail in the area of the occlusion that is darker than the rest of the face or		

Occlusion Type

Field ID (Mnemonic)	10.045_2 (OCT)		
Description	The second information item of the OCCLUSIONS (OCC) field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	OCCLUSION CODES: L = Eyelashes or reflections of eyelashes (iris only) H = Hair, hat, veil, burka, or other head covering (face only) H = Hair, hat, veil, burka, or other head covering (face only) S = Specularity, reflection of light C = Shadow cast R = Reflection of an object		

Type-10 Facial, Other Body Part and SMT Image Record

Occlusions

Number of Points

Field ID (Mnemonic)	10.045_3 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	10.045_4 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Occlusions

Vertical Point Offset

Field ID (Mnemonic)	10.045_5 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Photo Acquisition Source

Field ID (Mnemonic)	10.023 (PAS)		
Description	This field shall specify the classification of the source of the image contained in this record.		
Remarks	This field is required if the SAP entry [Type-10 Subject Acquisition Profile field] is "40" or greater. When included, this field shall contain an ASCII character code selected from [possible codes below] to describe the source of captured image data. The "VENDOR" category is used to enter unlisted or miscellaneous source attributes of the facial image. This information shall be entered as a two-information item subfield. The first is "VENDOR" followed by a separator, followed by the unformatted text used to describe the attribute.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Photo Acquisition Source

Photo Attribute Code

Field ID (Mnemonic)	10.023_1 (PAC)		
Description	The first information item in the Photo Acquisition Source (PAS) field shall contain an attribute code to describe the source of captured image data.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Photo Acquisition Source Type Code	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	6 to 14	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	PHOTO ACQUISITION SOURCE CODES:
	    UNSPECIFIED = Unspecified or unknown
	    UNKNOWN PHOTO = Static photograph from an unknown source
	    DIGITAL CAMERA = Static photograph from a digital still-image camera
	    SCANNER = Static photograph from a scanner
	    UNKNOWN VIDEO = Single video frame from an unknown source
	    ANALOGUE VIDEO = Single video frame from an analogue video camera
	    DIGITAL VIDEO = Single video frame from a digital video camera
	    VENDOR = Vendor Specific source
	    TYPE20 = Record Type-20 original source representation
	    OTHER = Another Source Image		

Vendor Specific Description

Field ID (Mnemonic)	10.023_2 (VSD)		
Description	This information item is the unformatted text used to describe the attribute for Type-10 Photo Acquisition Source field's first information item when the Acquisition Source Type Code is "VENDOR".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Photo Acquisition Source Vendor Description	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Photo Capture Date

Type-10 Facial, Other Body Part and SMT Image Record

Photo Capture Date

Field ID (Mnemonic)	10.005 (PCD)		
Description	This mandatory field shall contain the date that the image contained in the record was captured.		
Remarks	n/a		
Format	YYYYMMDD	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Photo Date	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Photo Description (Deprecated)

Field ID (Mnemonic)	10.022 (PXS)		
Description	This ASCII set, retained for legacy systems, is used for the exchange of facial image data. When present, it shall consist of one or more subfields and shall describe special attributes of the captured facial image. This set is comprised of one or more subfields of Photo Descriptors. When the Photo Descriptor is PHYSICAL or OTHER, then a second information item, Photo Attribute Description applied. Note: The Subject Facial Description field (SXS) is intended as a replacement for this PXS field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Subject Facial Description (SXS).>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Photo Description (Deprecated)

Photo Descriptor (Deprecated)

Field ID (Mnemonic)	10.022_1		
Description	This information item contains the attributes associated with the facial image may be selected from [possible photo descriptors codes below] and entered in this field as one or more subfields.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 8	DoD EBTS 3.0	Deprecated
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Subject Facial Description (SXS).>		
Sunset Reason	n/a		

Look Up Codes	PHOTO DESCRIPTOR CODES:
	  GLASSES = Subject Wearing Glasses
	  HAT = Subject Wearing Hat
	  SCARF = Subject Wearing Scarf
	  PHYSICAL = Physical Characteristics
	  OTHER = Other Characteristics		

Photo Attribute Description (Deprecated)

Field ID (Mnemonic)	10.022_2		
Description	This information item contains either the characteristic as listed in the Ninth (or current) Edition of the NCIC Code Manual, December, 2000, if the Type-10 Photo Description field first information item, Photo Descriptor, is "PHYSICAL". Otherwise, it contains the unformatted text used to describe the attribute, if the Type-10 Photo Description field first information item, Photo Descriptor is "OTHER".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<Subject Facial Description (SXS).>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pose Offset Angle

Type-10 Facial, Other Body Part and SMT Image Record

Pose Offset Angle

Field ID (Mnemonic)	10.021 (POA)		
Description	This field shall only be used for the exchange of facial image data if [Type-10 Subject Pose field] (POS) contains an "A" to indicate an angled pose of the subject. This field should be omitted for a full face or a profile. This ASCII field specifies the pose position of the subject at any possible orientation within a circle. Its value shall be to a nearest degree. The offset angle shall be measured from the full-face pose position and have a range of values from -180 degrees to +180 degrees. A positive angle is used to express the angular offset as the subject rotates from a full-face pose to their right (approaching a left profile). A negative angle is used to express the angular offset as the subject rotates from a full-face pose to their left (approaching a right profile). If the entry in the POS field is an "F", "L", or "R", the contents of this field are ignored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Plus Sign		
Value Constraints	-180 <= POA <= 180; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	10.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-10 Facial, Other Body Part and SMT Image Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	10.034-037,046-199,901,902,994		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Field ID (Mnemonic)	10.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= SLC <= 2; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCALE UNIT CODES:
	  1 = Pixels Per Inch
	  2 = Pixels Per Centimeter
	  0 = No Scale		

Scanned Horizontal Pixel Scale

Type-10 Facial, Other Body Part and SMT Image Record

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	10.016 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	10.017 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SMT Descriptors

Type-10 Facial, Other Body Part and SMT Image Record

SMT Descriptors

Field ID (Mnemonic)	10.042 (SMD)		
Description	This set is used to describe the content of the SMT image. It shall consist of one or more subfields. Each subfield shall contain three or four information items that provide progressively detailed information describing the total image or a portion of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SMT Code Indicator

Field ID (Mnemonic)	10.042_1 (SMI)		
Description	This information item shall identify the source of the image as being a scar, a mark or a tattoo.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	SMT Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 8	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TYPE-10 IMAGE TYPES - IMAGE SUBCODES:
	   SCAR = healed scar tissue that was the result an accident or medical procedure
	   MARK = the pattern resulting from needle or track marks
	   TATTOO = a common tattoo or indelible image resulting from the pricking of the skin with a coloring matter
	   CHEMICAL = image was created by the use of chemicals to burn the image into the skin
	   BRANDED = image was burned into the skin using a branding iron or other form of heat
	   CUT = image was caused by incision of the skin
	   PIERCING = a deliberately made hole through body tissue, usually to wear body ornamentation		

Type-10 Facial, Other Body Part and SMT Image Record

SMT Descriptors

Tattoo Class

Field ID (Mnemonic)	10.042_2 (TAC)		
Description	This information item shall be the general class code of tattoo chosen from [possible codes below]. For each general class of tattoo, there are several defined subclasses.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 8	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	TATTOO CLASS CODES:
	  HUMAN = Human Forms and Features
	  ANIMAL = Animals and Animal Features
	  PLANT = Plants
	  FLAG = Flags
	  OBJECT = Objects
	  ABSTRACT = Abstractions
	  SYMBOL = Insignias & Symbols
	  OTHER = Other Images		

Tattoo Subclass

Field ID (Mnemonic)	10.042_3 (TSC)		
Description	This information item of the subfield shall be the appropriate subclass code selected from [possible codes below] which lists the various subclasses of tattoos for each of the general classes.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 9	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

	TATTOO ABSTRACT SUBCLASS CODES:
	  FIGURE = Figure(s)
	  SLEEVE = Sleeve
	  BRACE = Bracelet
	  ANKLET = Anklet
	  NECKLC = Necklace
	  SHIRT = Shirt
	  BODBND = Body Band
	  HEDBND = Head Band
	  MABSTRACT = Miscellaneous Abstract
	  MISC = Miscellaneous Images
	TATTOO ANIMAL SUBCLASS CODES:		

Type-10 Facial, Other Body Part and SMT Image Record

SMT Descriptors

Tattoo Subclass

Look Up Codes	CAT = Cats & Cat Heads
	DOG = Dogs & Dog Heads
	DOMESTIC = Other Domestic Animals
	VICIOUS = Vicious Animals (Lions, etc.)
	HORSE = Horses (Donkeys, Mules, etc.)
	WILD = Other Wild Animals
	SNAKE = Snakes
	DRAGON = Dragons
	BIRD = Birds (Cardinal, Hawk, etc.)
	INSECT = Spiders, Bugs, and Insects
	ABSTRACT = Abstract Animals
	PARTS = Animal Parts
	MANIMAL = Miscellaneous Animal Forms
	TATTOO FLAG SUBCLASS CODES:
	  USA = American Flag
	  STATE = State Flag
	  NAZI = Nazi Flag
	  CONFED = Confederate Flag
	  BRIT = British Flag
	  MFLAG = Miscellaneous Flags
	TATTOO HUMAN SUBCLASS CODES:
	  MFACE = Male Face
	  FFACE = Female Face
	  ABFACE = Abstract Face
	  MBODY = Male Body
	  FBODY = Female Body
	  ABBODY = Abstract Body
	  ROLES = Roles (Knight, Witch, man, etc.)
	  SPORT = Sports Figures (Football Player, Skier, etc.)
	  MBPART = Male Body Parts
	  FBPART = Female Body Parts
	  ABBPART = Abstract Body Parts
	  SKULL = Skulls
	  MHUMAN = Miscellaneous Human Forms
	TATTOO OBJECT SUBCLASS CODES:
	  FIRE = Fire
	  WEAP = Weapons(Guns, Arrows, etc.)
	  PLANE = Airplanes
	  VESSEL = Boats, Ships, & Other Vessels
	  TRAIN = Trains
	  VEHICLE = Cars, Trucks, and Vehicles
	  MYTH = Mythical (Unicorns, etc.)
	  SPORT = Sporting Objects (Football, Ski, Hurdles, etc.)
	  NATURE = Water & Nature Scenes(Rivers, Sky, Trees, etc.)
	  MOBJECTS = Miscellaneous Objects
	TATTOO OTHER SUBCLASS CODES:
	  WORDING = Wording (Mom, Dad, Mary, etc.)
	  FREEFR = Freeform Drawings
	  MISC = Miscellaneous Images
	TATTOO PLANT SUBCLASS CODES:
	  NARCOTICS = Narcotics
	  REDFL = Red Flowers
	  BLUEFL = Blue Flowers
	  YELFL = Yellow Flowers
	  DRAW = Drawings of Flowers
	  ROSE = Rose
	  TULIP = Tulip
	  LILY = Lily
	  MPLANT = Miscellaneous Plants, Flowers, Vegetables
	TATTOO SYMBOL SUBCLASS CODES:
	  NATION = National Symbols
	  POLITIC = Political Symbols

Type-10 Facial, Other Body Part and SMT Image Record

SMT Descriptors

Tattoo Subclass

MILITARY = Military Symbols FRATERNAL = Fraternal Symbols PROFESS = Professional Symbols GANG = Gang Symbols MSYMBOLS = Miscellaneous Symbols

Tattoo Description

Field ID (Mnemonic)	10.042_4 (TDS)		
Description	This information item in the subfield shall be an ASCII text string that provides additional qualifiers to describe the image or portion of the image. For example, to fully describe a tattoo, there may be a class description of "ANIMAL", with a subclass description of "DOG", and qualified by "golden retriever with an overbite".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	SMT Description	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 256	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SMT Size

Field ID (Mnemonic)	10.041 (SMS)		
Description	This set shall contain the dimensions of the scar, mark or tattoo. It shall consist of two information items: the height and the width. Each dimension shall be entered to the nearest centimeter.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

SMT Size

SMT Height

Field ID (Mnemonic)	10.041_1 (HGT)		
Description	The height of the scar, mark or tattoo in nearest centimeter.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SMT Width

Field ID (Mnemonic)	10.041_2 (WID)		
Description	The width of the scar, mark or tattoo in the nearest centimeter		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Type-10 Facial, Other Body Part and SMT Image Record

Source Agency

Field ID (Mnemonic)	10.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Field ID (Mnemonic)	10.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Type-10 Facial, Other Body Part and SMT Image Record

Source Representation

Field ID (Mnemonic)	10.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Number

Field ID (Mnemonic)	10.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Source Representation

Reference Segment Position

Field ID (Mnemonic)	10.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Subject Acquisition Profile

Type-10 Facial, Other Body Part and SMT Image Record

Subject Acquisition Profile

Field ID (Mnemonic)	10.013 (SAP)		
Description	To provide a general description of the criteria under which the facial image was captured. Typically, the higher the value, the stronger the acquisition requirements become. Therefore, in the text below, the SAP value will also be denoted as a "level".		
Remarks	The Subject Acquisition Profile (SAP) is a mandatory ASCII text field when [Type-10 Image Type field] contains "FACE".		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ACQUISITION PROFILE CODES: 0 = Unknown profile 1 = Surveillance facial image 10 = Driver's license image (AAMVA) 11 = ANSI Full Frontal facial image (ANSI 385) 12 = ANSI Token facial image (ANSI 385) 13 = ISO Full Frontal facial image (ISO/IEC 19794-5) 14 = ISO Token facial image (ISO/IEC 19794-5) 15 = PIV facial image (NIST SP 800-76) 20 = Legacy Mugshot 30 = Best Practice Application - Level 30 40 = Best Practice Application - Level 40 50 = Best Practice Application - Level 50 51 = Best Practice Application - Level 51 32 = Mobile ID Best Practice - Level 32 42 = Mobile ID Best Practice - Level 42 52 = Mobile ID Best Practice - Level 52		

Subject Eye Color

Subject Eye Color

Field ID (Mnemonic)	10.027 (SEC)		
Description	Describe the eye color of the subject as seen in the photograph. If unusual or unnatural such as may be the case when colored contact lenses are present and the "real" eye color cannot be ascertained, then the color should be labeled as "XXX". Eye color attributes and attribute codes are given by possible codes.		
Remarks			
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ALPHA EYE COLOR CODES:
	  BLK = Black
	  BLU = Blue
	  BRO = Brown
	  GRN = Green
	  GRY = Gray
	  HAZ = Hazel
	  MAR = Maroon
	  MUL = Multicolored
	  PNK = Pink
	  XXX = Unknown		

Subject Facial Description

Type-10 Facial, Other Body Part and SMT Image Record

Subject Facial Description

Field ID (Mnemonic)	10.026 (SXS)		
Description	Describe the facial expression of the subject and other attributes associated with the subject's captured facial image. This field may have one or more subfields each containing a single information item. For "Physical Characteristic", enter a characteristic as listed in the Ninth (or current) Edition of the NCIC Code Manual, December, 2000. For the "Other Characteristic" enter unlisted or miscellaneous attributes as unformatted text used to describe the attribute. Multiple attributes may be listed but must be separated.		
Remarks			
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 20	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FACIAL DESCRIPTION CODES:
	  UNKNOWN = Expression unspecified
	  NEUTRAL = Neutral (non-smiling) with both eyes mouth closed)
	  SMILE = Smiling where the inside of the mouth and/or teeth is not exposed (closed jaw)
	  MOUTH OPEN = Subject Having Mouth open
	  TEETH VISIBLE = Having Teeth visible
	  RAISED BROWS = Raising eyebrows
	  FROWNING = Frowning
	  EYES AWAY = Looking away from the camera
	  SQUINTING = Squinting
	  LEFT EYE PATCH = Subject Wearing Left Eye Patch
	  RIGHT EYE PATCH = Subject Wearing Right Eye Patch
	  CLEAR GLASSES = Subject Wearing Clear Glasses
	  DARK GLASSES = Subject Wearing Dark or Visible Colored Glasses (medical)
	  HAT = Head covering/hat
	  SCARF = Wearing Scarf
	  MOUSTACHE = Having Moustache
	  BEARD = Having Beard
	  NO EAR = Ear(s) obscured by hair
	  BLINK = Blinking (either or both eyes closed)
	  Distorting Condition = Having Distorting Medical Feature Point detection
	  From Annex D of ANSI/NIST ITL 1-2011 = Physical Characteristics
	  Alphabetic Text, up to 20 characters = Other Characteristics		

Subject Hair Color

Type-10 Facial, Other Body Part and SMT Image Record

Subject Hair Color

Field ID (Mnemonic)	10.028 (SHC)		
Description	Describes the hair color of the subject as seen in the photograph.		
Remarks	For unusual or unnatural colors not listed in the possible codes, or the "real" color cannot be ascertained, the hair color should be labeled as "XXX". If the subject is completely bald, or has a completely shaved head, then the hair color shall be labeled as "BAL". When the subject is predominantly bald, but hair color is discernable, then the appropriate hair color attribute code shall follow "BAL".		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	HAIR COLOR CODES: 　XXX = Unknown 　BAL = Bald 　BLK = Black 　BLN = Blond or Strawberry 　BRO = Brown 　GRY = Gray or Partially Gray 　RED = Red or Auburn 　SDY = Sandy 　WHI = White 　BLU = Blue 　GRN = Green 　ONG = Orange 　PNK = Pink 　PLE = Purple 　STR = Streaked		

Subject Pose

Type-10 Facial, Other Body Part and SMT Image Record

Subject Pose

Field ID (Mnemonic)	10.020 (POS)		
Description	This field is to be used for the exchange of facial image data. When included, this field shall contain one ASCII character code selected from [possible codes below] to describe the pose of the subject. For the angled pose entry "A", [Type-10 Pose Offset Angle field] shall contain the offset angle from the full face orientation. For the determined 3D pose entry "D", [Type-10 Subject Post Angles field] shall contain a set of determined 3D pose angles (i.e., Yaw, Pitch, and Roll angles) away from the full frontal face orientation. Note that the offset angle in [Type-10 Pose Offset Angle field] is opposite from the yaw angle in [Type-10 Subject Post Angles field] as indicated by a minus sign.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	SUBJECT POSE CODES: F = Full Face Frontal R = Right Profile (90 degree) L = Left Profile (90 degree) A = Angled Pose D = Determined 3D Pose		

Subject Pose Angles

Type-10 Facial, Other Body Part and SMT Image Record

Subject Pose Angles

Field ID (Mnemonic)	10.025 (SPA)		
Description	This ASCII set shall be present when [TYPE-10 Subject Pose field] (POS) contains a "D" to indicate a set of determined 3D pose angles of the same subject. If the entry in the [TYPE-10 Subject Pose] POS Field is an "F", "L", or "R", the contents of this field are ignored. When present, this information shall be entered as three or six information items. The first three items specify the pose of the subject estimated or measured at constrained possible orientations within a sphere. Each angle value shall be to the nearest integer degree. The second triple information items is not present, then the uncertainty in the angles is not determined. Notes, ANSI/NIST ITL 1-2007 Annex J contains, additional information, details, and examples of the subject pose angles.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Yaw Angle

Field ID (Mnemonic)	10.025_1 (YAW)		
Description	This information item is the Yaw angle (rotation about the vertical 'y' axis).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Yaw Angle	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	-180 <= YAW <=180; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Subject Pose Angles

Pitch Angle

Field ID (Mnemonic)	10.025_2 (PIT)		
Description	This information item is the Pitch angle (rotation about 'x' horizontal axis).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Pitch Angle	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	-90 <= PIT <= 90; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Roll Angle

Field ID (Mnemonic)	10.025_3 (ROL)		
Description	This information Item is the Roll angle (rotation about the 'z' axis).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Roll Angle	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign		
Value Constraints	-180 <= ROL <= 180; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Subject Pose Angles

Uncertainty in Degrees for Yaw

Field ID (Mnemonic)	10.025_4 (YAWU)		
Description	The measure of uncertainty concerning the rotation about the vertical or Y axis of the pose.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Yaw Uncertainty	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= YAWU <= 90; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Uncertainty in Degrees for Pitch

Field ID (Mnemonic)	10.025_5 (PITU)		
Description	The measure of uncertainty concerning the rotation about horizontal or X axis of the pose.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Pitch Uncertainty	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= PITU <= 90; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Subject Pose Angles

Uncertainty in Degrees for Roll

Field ID (Mnemonic)	10.025_6 (ROLU)		
Description	The measure of uncertainty concerning the rotation about the Z axis of the pose.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Pose Roll Uncertainty	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= ROLU <= 90; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Subject Quality Score

Field ID (Mnemonic)	10.024 (SQS)		
Description	This ASCII field shall specify quality score data for facial images stored in this record. Each subfield shall contain three information items separated by the "US" separator character. They identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Subject Quality Score

Quality Value

Field ID (Mnemonic)	10.024_1 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100; integer or QVU = 254 or 255		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Vendor Identification

Field ID (Mnemonic)	10.024_2 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Subject Quality Score

Algorithm Product Identification

Field ID (Mnemonic)	10.024_3 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Tattoo Color

Field ID (Mnemonic)	10.043 (COL)		
Description	This optional field shall contain one subfield corresponding to each subfield contained in Field 10.042: SMT descriptors / SMD. Each subfield shall contain up to 6 information items that list the color(s) of the tattoo or part of the tattoo. For each subfield entry, the first one shall be the predominant color chosen from the look up codes from each information item. Additional colors may be entered as optional subsequent information items of the form tattoo color code n / Tcn (n=2 through 6). There need not be more than one entry.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 1

Field ID (Mnemonic)	10.043_1 (TC1)		
Description	This first information item is part of the Tattoo Color (COL) field. It lists the predominant color of the tattoo or part of the tattoo.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Color	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 7	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	COLOR NAME CODES: 　BLACK = Black 　BROWN = Brown 　GRAY = Gray 　BLUE = Blue 　GREEN = Green 　ORANGE = Orange 　PURPLE = Purple 　RED = Red 　YELLOW = Yellow 　WHITE = White 　MULTI = Multi-colored 　OUTLINE = Outlined		

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 2

Field ID (Mnemonic)	10.043_2 (TC2)		
Description	This second information item is part of the Tattoo Color (COL) field. It lists the additional color of the tattoo or part of the tattoo.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 7	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR NAME CODES:
	  BLACK = Black
	  BROWN = Brown
	  GRAY = Gray
	  BLUE = Blue
	  GREEN = Green
	  ORANGE = Orange
	  PURPLE = Purple
	  RED = Red
	  YELLOW = Yellow
	  WHITE = White
	  MULTI = Multi-colored
	  OUTLINE = Outlined		

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 3

Field ID (Mnemonic)	10.043_3 (TC3)		
Description	This third information item is part of the Tattoo Color (COL) field. It lists the additional color of the tattoo or part of the tattoo.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 7	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	COLOR NAME CODES: BLACK = Black BROWN = Brown GRAY = Gray BLUE = Blue GREEN = Green ORANGE = Orange PURPLE = Purple RED = Red YELLOW = Yellow WHITE = White MULTI = Multi-colored OUTLINE = Outlined		

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 4

Field ID (Mnemonic)	10.043_4 (TC4)
Description	This fourth information item is part of the Tattoo Color (COL) field. It lists the additional color of the tattoo or part of the tattoo.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 7	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR NAME CODES:
	  BLACK = Black
	  BROWN = Brown
	  GRAY = Gray
	  BLUE = Blue
	  GREEN = Green
	  ORANGE = Orange
	  PURPLE = Purple
	  RED = Red
	  YELLOW = Yellow
	  WHITE = White
	  MULTI = Multi-colored
	  OUTLINE = Outlined		

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 5

Field ID (Mnemonic)	10.043_5 (TC5)
Description	This fifth information item is part of the Tattoo Color (COL) field. It lists the additional color of the tattoo or part of the tattoo.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 7	**DoD EBTS 3.0**	Yes

Char Types	A
Special Chars	None
Value Constraints	see Look Up Codes
Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a
Look Up Codes	COLOR NAME CODES: BLACK = Black BROWN = Brown GRAY = Gray BLUE = Blue GREEN = Green ORANGE = Orange PURPLE = Purple RED = Red YELLOW = Yellow WHITE = White MULTI = Multi-colored OUTLINE = Outlined

Type-10 Facial, Other Body Part and SMT Image Record

Tattoo Color

Tattoo Color Code 6

Field ID (Mnemonic)	10.043_6 (TC6)		
Description	This sixth information item is part of the Tattoo Color (COL) field. It lists the additional color of the tattoo or part of the tattoo.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 7	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR NAME CODES:
	  BLACK = Black
	  BROWN = Brown
	  GRAY = Gray
	  BLUE = Blue
	  GREEN = Green
	  ORANGE = Orange
	  PURPLE = Purple
	  RED = Red
	  YELLOW = Yellow
	  WHITE = White
	  MULTI = Multi-colored
	  OUTLINE = Outlined		

Tiered Markup Collection

Type-10 Facial, Other Body Part and SMT Image Record

Tiered Markup Collection

Field ID (Mnemonic)	10.031 (TMC)		
Description	This optional field describes the specific facial (IMT = 'FACE') feature points contained in Field 10.029: 2D Facial feature points / FFP and if level 5, contours shall be contained in Field 10.033: Feature contours / FEC.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	TIERED MARKUP COLLECTIONS CODES: 1 = Eye centers 2 = Eye, mouth 3 = Eyes, nose, mouth 4 = Eyes, nose, mouth, and head 5 = Facial feature points and contours for eyes, brows, nose, mouth and face outline 6-99 = Reserved 100-999 = User-Defined.		

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	10.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Type-10 Facial, Other Body Part and SMT Image Record

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	10.010 (TYPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-10 Reference Number

Field ID (Mnemonic)	10.039 (T10)		
Description	This is an optional field. It is used when several images cover either the entire SMT or portions of it. The same T10 is used when referring to a particular image. This field shall not be used if there are no multiple images of the same SMT or body part in the transaction. It can be used for any image type specified in Field 10.003: Image type / IMT .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= T10 <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-10 Facial, Other Body Part and SMT Image Record

User Defined Fields

Field ID (Mnemonic)	10.200 - 10.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Field ID (Mnemonic)	10.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-10)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Annotated Information

Field ID (Mnemonic)	13.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Field ID (Mnemonic)	13.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Annotated Information

Processing Algorithm Name / Version

Field ID (Mnemonic)	13.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Owner

Field ID (Mnemonic)	13.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Annotated Information

Process Description

Field ID (Mnemonic)	13.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 255	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Field ID (Mnemonic)	13.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	2	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Associated Context

Associated Context Number

Field ID (Mnemonic)	13.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 3	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Segment Position

Field ID (Mnemonic)	13.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bits Per Pixel

Type-13 Variable-Resolution Latent Image Record

Bits Per Pixel

Field ID (Mnemonic)	13.012 (BPX)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Device Firmware Version Number (Sunset)

Field ID (Mnemonic)	n/a		
Description	The firmware version number for the biometric capture device that was used to collect the associated biometric sample.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<ANSI/NIST ITL 20011 has only defined make/model/serial number.>		
Look Up Codes	n/a		

Capture Device Global Identifier (Sunset)

Type-13 Variable-Resolution Latent Image Record

Capture Device Global Identifier (Sunset)

Field ID (Mnemonic)	13.201 (DEV_GI)		
Description	This field shall contain a 16-byte string to indicate a global unique identifier for an image capture device.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	16 to 16	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<The GUI field is no longer used in in ANSI/NIST ITL 1-2011. It did not conform to the standard GUI usage in information technology. All other DEV_GI fields were modeled after this.>		
Look Up Codes	n/a		

Capture Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall contain the time in UTC that the biometric sample or contextual information contained in the record was captured. The time shall appear as 6 digits format HHMMSS with 'Z' being the zone designator for the zero UTC offset. The complete time must be a legitimate time.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	7 to 7	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Supported by x.998_1 UTE for Type-10 to 99.>		
Look Up Codes	n/a		

Comment

Type-13 Variable-Resolution Latent Image Record

Comment

Field ID (Mnemonic)	13.020 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm

Field ID (Mnemonic)	13.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES:
	  NONE = Uncompressed
	  WSQ20 = WSQ Version 2.0
	  JPEGB = JPEG ISO/IEC 10918 (Lossy)
	  JPEGL = JPEG ISO/IEC 10918 (Lossless)
	  JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy)
	  JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless)
	  PNG = Portable Network Graphics		

Device Unique Identifier

Type-13 Variable-Resolution Latent Image Record

Device Unique Identifier

Field ID (Mnemonic)	13.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	Digitization Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Friction Ridge Generalized Position

Field ID (Mnemonic)	13.013 (FGP)
Description	This field is used in Record types dealing with friction ridges. It specifies which friction ridge biometric sample was collected.

Type-13 Variable-Resolution Latent Image Record

Friction Ridge Generalized Position

Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Finger Position	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-13 Variable-Resolution Latent Image Record

Friction Ridge Generalized Position

Look Up Codes	2-FINGER COMBINATIONS:
	  40 = Right index/middle
	  41 = Right Middle/Ring
	  42 = Right Ring/Little
	  43 = Left Index/Middle
	  44 = Left Middle/Ring
	  45 = Left Ring/Little
	  46 = Right index/ Left index
	3-FINGER COMBINATIONS:
	  47 = Right Index/Middle/Ring
	  48 = Right Middle/Ring/Little
	  49 = Left Index/Middle/Ring
	  50 = Left Middle/Ring/Little
	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm

Geographic Sample Acquisition Location

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Field ID (Mnemonic)	13.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Universal Time Entry

Field ID (Mnemonic)	13.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Latitude Degree Value

Field ID (Mnemonic)	13.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Minute Value

Field ID (Mnemonic)	13.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Latitude Second Value

Field ID (Mnemonic)	13.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Degree Value

Field ID (Mnemonic)	13.998_05 (LGD)		
Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples: Buenos Aires, Argentina: -58 (with minutes LGM = 22) NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Longitude Minute Value

Field ID (Mnemonic)	13.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Second Value

Field ID (Mnemonic)	13.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Elevation

Field ID (Mnemonic)	13.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	13.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES:
	  AIRY = Airy
	  AUST = Australian National
	  BES = Bessel 1841
	  BESN = Bessel 1841 (Nambia)
	  CLK66 = Clarke 1866
	  CLK80 = Clarke 1880
	  EVER = Everest
	  FIS60 = Fischer 1960 (Mercury)
	  FIS68 = Fischer 1968
	  GRS67 = GRS 1967
	  GRS80 = GRS 1980
	  HELM = Helmert 1906
	  HOUG = Hough
	  INT = International
	  KRAS = Krassovsky
	  AIRYM = Modified Airy
	  EVERM = Modified Everest
	  FIS60M = Modified Fischer 1960
	  SA69 = South American 1969
	  WGS60 = WGS-60
	  WGS66 = WGS-66
	  WGS72 = WGS-72
	  WGS84 = WGS-84 / NAD-83
	  Other = <entry up to 6 characters>		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	13.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	13.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	13.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	13.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	13.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	13.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	13.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Hash

Horizontal Line Length

Field ID (Mnemonic)	13.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Impression Type

Type-13 Variable-Resolution Latent Image Record

Impression Type

Field ID (Mnemonic)	13.003 (IMP)		
Description	This mandatory field shall indicate the manner by which the friction ridge print was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	4 <= IMP <= 7 or 12 <= IMP <= 15 or IMP or IMP = 28 or 29; or 32 <= IMP <= 39; integer; also see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE IMPRESSION CODES: 0 = Livescan (type unknown or unspecified) - Fingerprint Plain 1 = Livescan (type unknown or unspecified) - Fingerprint Rolled 2 = Non-livescan (e.g. inked) - Fingerprint Plain 3 = Non-livescan (e.g. inked) - Fingerprint Rolled 4 = Latent Impression - Fingerprint 5 = Latent Tracing - Fingerprint 6 = Latent Photo - Fingerprint 7 = Latent Lift - Fingerprint 8 = Livescan Vertical Swipe - Fingerprint Plain 10 = Livescan (type unknown or unspecified) - Palm 11 = Non-livescan (e.g. inked) - Palm 12 = Latent Impression - Palm 13 = Latent Tracing - Palm 14 = Latent Photo - Palm 15 = Latent Lift - Palm 20 = Livescan Optical Contact - Fingerprint Plain 21 = Livescan Optical Contact - Fingerprint Rolled 22 = Livescan Non-Optical Contact - Fingerprint Plain 23 = Livescan Non-Optical Contact - Fingerprint Rolled 24 = Livescan Optical Contactless - Fingerprint Plain 25 = Livescan Optical Contactless - Fingerprint Rolled 26 = Livescan Non-Optical Contactless - Fingerprint Plain 27 = Livescan Non-Optical Contactless - Fingerprint Rolled 28 = Other 29 = Unknown 30 = Live-scan plantar 31 = Nonlive-scan plantar 32 = Latent impression plantar 33 = Latent tracing plantar 34 = Latent photo plantar 35 = Latent lift plantar 36 = Latent impression unknown friction-ridge 37 = Latent tracing unknown friction-ridge 38 = Latent photo unknown friction-ridge 39 = Latent lift unknown friction-ridge		

Information Designation Character

Type-13 Variable-Resolution Latent Image Record

Information Designation Character

Field ID (Mnemonic)	13.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Image Designation Character	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Capture Date

Field ID (Mnemonic)	13.005 (LCD)		
Description	This mandatory field shall contain the date that the latent biometric data contained in the record was captured.		
Remarks	n/a		
Format	YYYYMMDD	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	8 to 8	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Circumstances (Deprecated)

Type-13 Variable-Resolution Latent Image Record

Latent Circumstances (Deprecated)

Field ID (Mnemonic)	13.203 (LATENT_CIRC)		
Description	This field shall describe the circumstances of a latent collection. This field shall include an event number or case number if available. This field is unformatted free-text and shall contain a string of no more than 100 characters.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	5 to 100	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints			
Legacy Derivable	n/a		
Deprecated By	<13.020 Comment.>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Development (Deprecated)

Field ID (Mnemonic)	13.205 (LATENT_MET)		
Description	The development method used during the processing that resulted in a latent image.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 100	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<13.902 Annotated Information; 13.902_4 Process Description>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Friction Ridge Image

Type-13 Variable-Resolution Latent Image Record

Latent Friction Ridge Image

Field ID (Mnemonic)	13.999 (DATA)		
Description	This mandatory field contains the latent image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Quality Metric

Field ID (Mnemonic)	13.024 (LQM)		
Description	This ASCII set is used to specify one or more different metrics of latent image quality score data for the image stored in this record. The meaning attributed to this metric must be defined and interpreted by the producer of the scoring algorithm or by the person or system used to assign the metric to the latent image. The metric may be a predictor of AFIS matcher accuracy performance or a different metric to indicate a value associated with the quality of the latent image for a particular function. This field may contain one or more subfields.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Metric Position

Field ID (Mnemonic)	13.024_1 (FRMP)		
Description	The first information item of a quality metric field indicating the friction ridge position.		
Remarks			
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		

Type-13 Variable-Resolution Latent Image Record

Latent Quality Metric

Friction Ridge Metric Position

Special Chars	None
Value Constraints	see Look Up Codes
Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a

Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm
	FRICTION RIDGE POSITION CODE - PLANTAR POSITION:
	  60 = Unknown sole
	  61 = Sole - right foot
	  62 = Sole - left foot
	  63 = Unknown toe
	  64 = Right big toe
	  65 = Right second toe
	  66 = Right middle toe
	  67 = Right fourth toe
	  68 = Right little toe

Type-13 Variable-Resolution Latent Image Record

Latent Quality Metric

Friction Ridge Metric Position

69 = Left big toe
70 = Left second toe
71 = Left middle toe
72 = Left fourth toe
73 = Left little toe
74 = Front / ball of right foot
75 = Back / heel of right foot
76 = Front / ball of left foot
77 = Back / heel of left foot
78 = Right arch of foot
79 = Left arch of foot

Quality Value

Field ID (Mnemonic)	13.024_2 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Vendor Identification

Field ID (Mnemonic)	13.024_3 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Latent Quality Metric

Algorithm Product Identification

Field ID (Mnemonic)	13.024_4 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latent Source Item (Deprecated)

Field ID (Mnemonic)	13.204 (LATENT_ITM)		
Description	The item from which a latent image(s) was lifted. This free-form field shall include the make, model, and serial number of the item if available.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	5 to 250	DoD EBTS 3.0	Deprecated
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<13.020 Comment or if Type-20 is used, then populate 13.997 Source Representation accordingly.>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Type-13 Variable-Resolution Latent Image Record

Make/Model/Serial Number

Field ID (Mnemonic)	13.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make

Field ID (Mnemonic)	13.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Make/Model/Serial Number

Model

Field ID (Mnemonic)	13.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Serial Number

Field ID (Mnemonic)	13.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Print Position Coordinates

Type-13 Variable-Resolution Latent Image Record

Print Position Coordinates

Field ID (Mnemonic)	13.015 (PPC)		
Description	Describe the type or portion of the latent image contained in this record and its location within an entire joint image. If finger position code "19" appears in Finger Position field, this set contains offsets to the locations for the bounding box of the EJI, each of the full finger views, or segments within the EJI. This set consists of 6 information items: full finger view, segment location, horizontal offset left and right, and vertical offset top and bottom. For the case of a fingertip, the first information item shall be "TIP", and the second information item shall be "NA". The next four information items are the horizontal and vertical offsets as defined above. The six information items will describe either the location of the entire joint image, one full finger view, or segment.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Full Finger View

Field ID (Mnemonic)	13.015_1 (FVC)		
Description	This information item is the number of the full finger view with values of "FV1" through "FV4". Values of "FV1" to "FV4" specify the bounding coordinates for each full finger view. For the case of a fingertip, this information item shall be "TIP". FVC will contain the code "NA" if only a proximal, distal or medial segment is available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	FVC = NA, TIP, FV1, FV2, FV3 or FV4; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC ONLY:
	  NA = Only a proximal, distal or medial segment is available
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC OR FIC:
	  TIP = Rolled Tip
	  FV1 = Full Finger Rolled Image
	  FV2 = Full Finger Plain Image – left side
	  FV3 = Full Finger Plain Image – center
	  FV4 = Full Finger Plain Image – right side		

Type-13 Variable-Resolution Latent Image Record

Print Position Coordinates

Location of Segment

Field ID (Mnemonic)	13.015_2 (LOS)		
Description	This information item is used to identify the location of a segment within a full finger view. It will contain the not applicable code "NA" if the image portion refers to a full finger view or to the entire joint image locations. It shall contain "PRX", "DST", "MED" for a proximal, distal, or medial segment.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Segment Location	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	2 to 3	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	LOS = NA, PRX, DST or MED; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS ONLY:
	  NA = Image portion refers to a full finger view, tip or to the entire joint image locations
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS OR FIC:
	  PRX = Proximal
	  DST = Distal Segment
	  MED = Medial Segment		

Left Horizontal Coordinate

Field ID (Mnemonic)	13.015_3 (LHC)		
Description	It is the horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Horizontal Offset Left	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 5	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= LHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Print Position Coordinates

Right Horizontal Coordinate

Field ID (Mnemonic)	13.015_4 (RHC)		
Description	It is the horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Horizontal Offset Right	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Top Vertical Coordinate

Field ID (Mnemonic)	13.015_5 (TVC)		
Description	The vertical offset (pixel counts down) to the top of the bounding box.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Vertical Offset Top	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= TVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Print Position Coordinates

Bottom Vertical Coordinate

Field ID (Mnemonic)	13.015_6 (BVC)		
Description	It is the vertical offset from the upper left corner of the image down to the bottom of the bounding box. It is counted in pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Vertical Offset Bottom	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= BVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	13.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-13 Variable-Resolution Latent Image Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	13.018-019,021-023,025-199,901,905-992,994		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Field ID (Mnemonic)	13.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	SLC = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	SCALE UNIT CODES: 1 = Pixels Per Inch 2 = Pixels Per Centimeter 0 = No Scale		

Scanned Horizontal Pixel Scale

Type-13 Variable-Resolution Latent Image Record

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	13.016 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	13.017 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Search Position Descriptors

Type-13 Variable-Resolution Latent Image Record

Search Position Descriptors

Field ID (Mnemonic)	13.014 (SPD)		
Description	Shall be present if and only if the finger position code "19" appears in Field [Finger/Palm Position]. It is used to narrow the search of the latent image in this record against a database.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Probable Decimal Finger Position Code

Field ID (Mnemonic)	13.014_1 (PDF)		
Description	The first information item of the Search Position Descriptors (SPD) field taken from Look Up Codes below, with integers 0 through 10, 16 or 17 allowed.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Probable Decimal Finger Position	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= PDF <= 10, or PDF = 16 or 17		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge		

Type-13 Variable-Resolution Latent Image Record

Search Position Descriptors

Probable Decimal Finger Position Code

Look Up Codes	
	19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	20 = Unknown Palm
	21 = Right Full Palm
	22 = Right Writer's Palm
	23 = Left Full Palm
	24 = Left Writer's Palm
	25 = Right Lower Palm
	26 = Right Upper Palm
	27 = Left Lower Palm
	28 = Left Upper Palm
	29 = Right Other
	30 = Left Other
	31 = Right Interdigital
	32 = Right Thenar
	33 = Right Hypothenar
	34 = Left Interdigital
	35 = Left Thenar
	36 = Left Hypothenar
	37 = Right grasp
	38 = Left grasp
	81 = Right carpal delta area
	82 = Left carpal delta area
	83 = Right full palm, including writer's palm
	84 = Left full palm, including writer's palm
	FRICTION RIDGE POSITION CODE - PLANTAR POSITION:
	60 = Unknown sole
	61 = Sole - right foot
	62 = Sole - left foot
	63 = Unknown toe
	64 = Right big toe
	65 = Right second toe
	66 = Right middle toe
	67 = Right fourth toe
	68 = Right little toe
	69 = Left big toe
	70 = Left second toe
	71 = Left middle toe
	72 = Left fourth toe
	73 = Left little toe
	74 = Front / ball of right foot
	75 = Back / heel of right foot
	76 = Front / ball of left foot
	77 = Back / heel of left foot
	78 = Right arch of foot
	79 = Left arch of foot

Type-13 Variable-Resolution Latent Image Record

Search Position Descriptors

Finger Image Code

Field ID (Mnemonic)	13.014_2 (FIC)		
Description	The second information item of the Search Position Descriptors (SPD) field to indicate the portion of the database to search. Full-length finger joint images use codes FV1 through FV4. Figure 2 is an illustration of the Entire Joint Image for a middle finger with each of the full finger views and constituent parts identified. Multiple portions of the EJI may be listed in a separate subfield.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	EJI/Tip Image Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	EJI, TIP, FV1, FV2, FV3, FV4, PRX, DST or MED		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FIC ONLY:
	    EJI = Entire Joint Image
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC ONLY:
	    NA = Only a proximal, distal or medial segment is available
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC OR FIC:
	    TIP = Rolled Tip
	    FV1 = Full Finger Rolled Image
	    FV2 = Full Finger Plain Image – left side
	    FV3 = Full Finger Plain Image – center
	    FV4 = Full Finger Plain Image – right side
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS ONLY:
	    NA = Image portion refers to a full finger view, tip or to the entire joint image locations
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS OR FIC:
	    PRX = Proximal
	    DST = Distal Segment
	    MED = Medial Segment		

Source Agency

Type-13 Variable-Resolution Latent Image Record

Source Agency

Field ID (Mnemonic)	13.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Source Agency/ORI	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to -	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Field ID (Mnemonic)	13.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 125	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Type-13 Variable-Resolution Latent Image Record

Source Representation

Field ID (Mnemonic)	13.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Number

Field ID (Mnemonic)	13.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-13 Variable-Resolution Latent Image Record

Source Representation

Reference Segment Position

Field ID (Mnemonic)	13.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	13.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Type-13 Variable-Resolution Latent Image Record

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	13.010 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Field ID (Mnemonic)	13.200 - 13.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Type-13 Variable-Resolution Latent Image Record

Vertical Line Length

Field ID (Mnemonic)	13.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-13)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Alternate Finger Segment Position

Field ID (Mnemonic)	14.025 (ASEG)		
Description	This ASCII field is an alternate approach to describing the locations for each of the image segments of the individual fingers within a flat image containing the capture of four simultaneous fingers or two simultaneous thumbs. This field uses an n-vertex polygon to encompass each finger image segment, where "n" is between 3 and 99. The order of the vertices must be in their consecutive order around the perimeter of the polygon, either clockwise or counterclockwise. No two vertices may occupy the same location. The polygon side defined by the last subfield and the first subfield shall complete the polygon. The polygon must be a simple, plane figure with no sides crossing and no interior holes. This field shall consist of one to four subfields. Each subfield shall consist of a finger number between 1 and 10, the total number of vertices of the polygon encompassing the finger, and the set of consecutive vertices. Each vertex shall be represented as horizontal and vertical pixel offsets relative to the origin positioned in the upper left corner of the image. The horizontal offsets (X) are the pixel counts to the right, and the vertical offsets (Y) are the pixel counts down from the origin. A minimum of three points is required to describe a finger location. The finger number, the number of vertices, each X coordinate, and each Y coordinate. Subfields representing each finger are separated.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Alternate Finger Segment Position(s)	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Alternate Segment Position

Field ID (Mnemonic)	14.025_1 (FRAS)		
Description	The first information item of an alternate segment position field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FRAS <= 10 or FGP = 16 or 17; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger		

Alternate Finger Segment Position

Friction Ridge Alternate Segment Position

Look Up Codes	8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot 63 = Unknown toe 64 = Right big toe 65 = Right second toe 66 = Right middle toe 67 = Right fourth toe 68 = Right little toe 69 = Left big toe 70 = Left second toe 71 = Left middle toe 72 = Left fourth toe 73 = Left little toe 74 = Front / ball of right foot 75 = Back / heel of right foot 76 = Front / ball of left foot 77 = Back / heel of left foot 78 = Right arch of foot 79 = Left arch of foot

Type-14 Variable-Resolution Fingerprint Image Record

Alternate Finger Segment Position

Number of Points

Field ID (Mnemonic)	14.025_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	14.025_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Alternate Finger Segment Position

Vertical Point Offset

Field ID (Mnemonic)	14.025_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Amputated or Bandaged

Field ID (Mnemonic)	14.018 (AMP)		
Description	This optional field shall specify if one or more fingers are amputated or bandaged. This field shall consist of one subfield for each amputated or missing finger. Each subfield shall contain two information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Amputation or Bandage Position

Field ID (Mnemonic)	14.018_1 (FRAP)		
Description	The first information item of the amputated and bandaged field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FRAP <= 10 or FRAP = 16 or 17; see Look Up Codes		

Type-14 Variable-Resolution Fingerprint Image Record

Amputated or Bandaged

Friction Ridge Amputation or Bandage Position

Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a

Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm
	FRICTION RIDGE POSITION CODE - PLANTAR POSITION:
	  60 = Unknown sole
	  61 = Sole - right foot
	  62 = Sole - left foot
	  63 = Unknown toe
	  64 = Right big toe
	  65 = Right second toe
	  66 = Right middle toe
	  67 = Right fourth toe
	  68 = Right little toe
	  69 = Left big toe
	  70 = Left second toe
	  71 = Left middle toe

Type-14 Variable-Resolution Fingerprint Image Record

Amputated or Bandaged

Friction Ridge Amputation or Bandage Position

	72 = Left fourth toe
	73 = Left little toe
	74 = Front / ball of right foot
	75 = Back / heel of right foot
	76 = Front / ball of left foot
	77 = Back / heel of left foot
	78 = Right arch of foot
	79 = Left arch of foot

Amputated or Bandaged Code

Field ID (Mnemonic)	14.018_2 (ABC)		
Description	This information item provides the code that describes the reason the finger's image is missing.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ABC = XX or UP		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT MISSING REASON CODES:
	  UP = Unable to print (e.g., bandaged)
	  XX = Partial print due to amputation		

Annotated Information

Field ID (Mnemonic)	14.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Annotated Information

Greenwich Mean Time

Field ID (Mnemonic)	14.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Processing Algorithm Name / Version

Field ID (Mnemonic)	14.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Annotated Information

Algorithm Owner

Field ID (Mnemonic)	14.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Process Description

Field ID (Mnemonic)	14.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Type-14 Variable-Resolution Fingerprint Image Record

Associated Context

Field ID (Mnemonic)	14.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Field ID (Mnemonic)	14.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Associated Context

Associated Segment Position

Field ID (Mnemonic)	14.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bits Per Pixel

Field ID (Mnemonic)	14.012 (BPX)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Device Firmware Version Number (Sunset)

Type-14 Variable-Resolution Fingerprint Image Record

Capture Device Firmware Version Number (Sunset)

Field ID (Mnemonic)	n/a		
Description	The firmware version number for the biometric capture device that was used to collect the associated biometric sample.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<ANSI/NIST ITL 20011 has only defined make/model/serial number.>		
Look Up Codes	n/a		

Capture Device Global Identifier (Sunset)

Field ID (Mnemonic)	14.201 (DEV_GI)		
Description	This field shall contain a 16-byte string to indicate a global unique identifier for an image capture device.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	16 to 16	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<The GUI field is no longer used in in ANSI/NIST ITL 1-2011. It did not conform to the standard GUI usage in information technology. All other DEV_GI fields were modeled after this.>		
Look Up Codes	n/a		

Capture Time (Sunset)

Type-14 Variable-Resolution Fingerprint Image Record

Capture Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall contain the time in UTC that the biometric sample or contextual information contained in the record was captured. The time shall appear as 6 digits format HHMMSS with 'Z' being the zone designator for the zero UTC offset. The complete time must be a legitimate time.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	7 to 7	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Supported by x.998_1 UTE for Type-10 to 99.>		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	14.020 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm

Type-14 Variable-Resolution Fingerprint Image Record

Compression Algorithm

Field ID (Mnemonic)	14.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES: 　NONE = Uncompressed 　WSQ20 = WSQ Version 2.0 　JPEGB = JPEG ISO/IEC 10918 (Lossy) 　JPEGL = JPEG ISO/IEC 10918 (Lossless) 　JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy) 　JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless) 　PNG = Portable Network Graphics		

Device Monitoring Mode

Field ID (Mnemonic)	14.030 (DMM)		
Description	This field provides information describing the human monitoring operation of the image capture device. This field will contain an entry from [possible codes below] to indicate the monitoring mode of the biometric sample capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	7 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BIOMETRIC CAPTURE DEVICE MONITORING MODE CODES: 　CONTROLLED = Operator physically controls the subject to acquire biometric sample 　ASSISTED = Person available to provide assistance to subject submitting the biometric 　OBSERVED = Person present to observe operation of the device but provides no assistance 　UNATTENDED = No one present to observe or provide assistance 　UNKNOWN = No information is known		

Device Unique Identifier

Type-14 Variable-Resolution Fingerprint Image Record

Device Unique Identifier

Field ID (Mnemonic)	14.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		
Field ID (Mnemonic)	14.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Type-14 Variable-Resolution Fingerprint Image Record

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	**Source**	n/a
Previous DDE Name	Digitization Date	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	15 to 15	**DoD EBTS 3.0**	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Fingerprint Capture Date

Field ID (Mnemonic)	14.005 (FCD)		
Description	This mandatory field shall contain the local date that the fingerprint data contained in the record was captured.		
Remarks	n/a		
Format	YYYYMMDD	**Source**	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	8 to 8	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Fingerprint Image

Type-14 Variable-Resolution Fingerprint Image Record

Fingerprint Image

Field ID (Mnemonic)	14.999 (DATA)		
Description	This mandatory field contains the fingerprint image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Fingerprint Quality Metric

Field ID (Mnemonic)	14.024 (FQM)		
Description	This ASCII field is used to specify one or more different metrics of fingerprint image quality score data for the image stored in this record. The meaning attributed to this metric must be defined and interpreted by the producer of the scoring algorithm or by the person or system used to assign the metric to the fingerprint image. The metric may be a predictor of AFIS matcher accuracy performance or a different metric to indicate a value associated with the quality of the fingerprint image for a particular function. This field may contain one or more subfields, each consisting of four information items separated. The first information item is the finger number. The other three items identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Metric Position

Field ID (Mnemonic)	14.024_1 (FRMP)		
Description	The first information item of a quality metric field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No

Type-14 Variable-Resolution Fingerprint Image Record

Fingerprint Quality Metric

Friction Ridge Metric Position

Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FRMP <= 10 or FGP = 16 or 17; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot 63 = Unknown toe 64 = Right big toe		

Type-14 Variable-Resolution Fingerprint Image Record

Fingerprint Quality Metric

Friction Ridge Metric Position

65 = Right second toe
66 = Right middle toe
67 = Right fourth toe
68 = Right little toe
69 = Left big toe
70 = Left second toe
71 = Left middle toe
72 = Left fourth toe
73 = Left little toe
74 = Front / ball of right foot
75 = Back / heel of right foot
76 = Front / ball of left foot
77 = Back / heel of left foot
78 = Right arch of foot
79 = Left arch of foot

Quality Value

Field ID (Mnemonic)	14.024_2 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QUV <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Fingerprint Quality Metric

Algorithm Vendor Identification

Field ID (Mnemonic)	14.024_3 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	14.024_4 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Finger Segment Position(s)

Type-14 Variable-Resolution Fingerprint Image Record

Finger Segment Position(s)

Field ID (Mnemonic)	14.021 (SEG)		
Description	This ASCII field shall contain offsets to the locations of image segments containing the individual fingers within the flat images of the four simultaneous fingers from each hand or the two simultaneous thumbs. The offsets are relative to the origin positioned in the upper left corner of the image. The horizontal offsets (X) are the pixel counts to the right, and the vertical offsets (Y) are the pixel counts down. A finger segment is defined by the FINGER NUMBER, the X coordinates (LEFT, RIGHT) and the Y coordinates (TOP, BOTTOM), of its bounding box. The five information items within a finger segment definition are separated by the "US" separator. Individual finger segment definitions are separated. If more than one algorithm is used to segment the image, successive sets finger segmentation positions shall be formatted as above and immediately follow the previous set.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	5	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Segment Position

Field ID (Mnemonic)	14.021_1 (FRSP)		
Description	The first information item of the segment position field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers		

Finger Segment Position(s)

Friction Ridge Segment Position

Look Up Codes	14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot 63 = Unknown toe 64 = Right big toe 65 = Right second toe 66 = Right middle toe 67 = Right fourth toe 68 = Right little toe 69 = Left big toe 70 = Left second toe 71 = Left middle toe 72 = Left fourth toe 73 = Left little toe 74 = Front / ball of right foot 75 = Back / heel of right foot 76 = Front / ball of left foot 77 = Back / heel of left foot 78 = Right arch of foot 79 = Left arch of foot

Type-14 Variable-Resolution Fingerprint Image Record

Finger Segment Position(s)

Left Horizontal Coordinate

Field ID (Mnemonic)	14.021_2 (LHC)		
Description	It is the horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Horizontal Offset Left	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Right Horizontal Coordinate

Field ID (Mnemonic)	14.021_3 (RHC)		
Description	It is the horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Horizontal Offset Right	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	LHC <= RHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Finger Segment Position(s)

Top Vertical Coordinate

Field ID (Mnemonic)	14.021_4 (TVC)		
Description	The vertical offset (pixel counts down) to the top of the bounding box.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Vertical Offset Top	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= TVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bottom Vertical Coordinate

Field ID (Mnemonic)	14.021_5 (BVC)		
Description	It is the vertical offset from the upper left corner of the image down to the bottom of the bounding box. It is counted in pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Vertical Offset Bottom	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	TVC <= BVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Generalized Position

Field ID (Mnemonic)	14.013 (FGP)		
Description	This field is used in Record types dealing with friction ridges. It specifies which friction ridge biometric sample was collected.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Finger Position	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		

Type-14 Variable-Resolution Fingerprint Image Record

Friction Ridge Generalized Position

Value Constraints	0 <= FGP <= 19 or FGP = 33 or 36 or 40 <= FGP <= 50; integer; see Look Up Codes
Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a

Type-14 Variable-Resolution Fingerprint Image Record

Friction Ridge Generalized Position

Look Up Codes	2-FINGER COMBINATIONS: 40 = Right index/middle 41 = Right Middle/Ring 42 = Right Ring/Little 43 = Left Index/Middle 44 = Left Middle/Ring 45 = Left Ring/Little 46 = Right index/ Left index 3-FINGER COMBINATIONS: 47 = Right Index/Middle/Ring 48 = Right Middle/Ring/Little 49 = Left Index/Middle/Ring 50 = Left Middle/Ring/Little FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm

Geographic Sample Acquisition Location

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Field ID (Mnemonic)	14.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Universal Time Entry

Field ID (Mnemonic)	14.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Latitude Degree Value

Field ID (Mnemonic)	14.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Minute Value

Field ID (Mnemonic)	14.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Latitude Second Value

Field ID (Mnemonic)	14.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Degree Value

Field ID (Mnemonic)	14.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

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Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Longitude Minute Value

Field ID (Mnemonic)	14.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Second Value

Field ID (Mnemonic)	14.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Elevation

Field ID (Mnemonic)	14.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	14.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = \<entry up to 6 characters\>		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	14.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	14.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	14.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	14.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	14.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	14.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	14.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Hash

Horizontal Line Length

Field ID (Mnemonic)	14.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Source Code

Field ID (Mnemonic)	14.200 (ISC)		
Description	This optional numeric field indicates to which source the included image belongs. This field allows images from multiple biometric sets that use the same record type to be distinguishable. Two different values are used for the Palmprint card to distinguish between the index finger image on the front of the card and the index finger that is part of the set of five finger images on the back of the card. Livescan palm capture should use value 2 and is not expected to contain any finger images.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	0 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	ISC = 1, 2, 3, or 4		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ISC CODE VALUES:
	  1 = Tenprint Fingerprint Set
	  2 = Palmprint Set - Front of Card (including fingers on front)
	  3 = Palmprint Set - Fingers on Back of Card
	  4 = Supplemental Print Set		

Impression Type

Type-14 Variable-Resolution Fingerprint Image Record

Impression Type

Field ID (Mnemonic)	14.003 (IMP)		
Description	This mandatory field shall indicate the manner by which the friction ridge print was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IMP <= 3, IMP = 8, 20 <= IMP <= 29; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE IMPRESSION CODES: 0 = Livescan (type unknown or unspecified) - Fingerprint Plain 1 = Livescan (type unknown or unspecified) - Fingerprint Rolled 2 = Non-livescan (e.g. inked) - Fingerprint Plain 3 = Non-livescan (e.g. inked) - Fingerprint Rolled 4 = Latent Impression - Fingerprint 5 = Latent Tracing - Fingerprint 6 = Latent Photo - Fingerprint 7 = Latent Lift - Fingerprint 8 = Livescan Vertical Swipe - Fingerprint Plain 10 = Livescan (type unknown or unspecified) - Palm 11 = Non-livescan (e.g. inked) - Palm 12 = Latent Impression - Palm 13 = Latent Tracing - Palm 14 = Latent Photo - Palm 15 = Latent Lift - Palm 20 = Livescan Optical Contact - Fingerprint Plain 21 = Livescan Optical Contact - Fingerprint Rolled 22 = Livescan Non-Optical Contact - Fingerprint Plain 23 = Livescan Non-Optical Contact - Fingerprint Rolled 24 = Livescan Optical Contactless - Fingerprint Plain 25 = Livescan Optical Contactless - Fingerprint Rolled 26 = Livescan Non-Optical Contactless - Fingerprint Plain 27 = Livescan Non-Optical Contactless - Fingerprint Rolled 28 = Other 29 = Unknown 30 = Live-scan plantar 31 = Nonlive-scan plantar 32 = Latent impression plantar 33 = Latent tracing plantar 34 = Latent photo plantar 35 = Latent lift plantar 36 = Latent impression unknown friction-ridge 37 = Latent tracing unknown friction-ridge 38 = Latent photo unknown friction-ridge 39 = Latent lift unknown friction-ridge		

Information Designation Character

Type-14 Variable-Resolution Fingerprint Image Record

Information Designation Character

Field ID (Mnemonic)	14.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Field ID (Mnemonic)	14.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Make/Model/Serial Number

Make

Field ID (Mnemonic)	14.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Model

Field ID (Mnemonic)	14.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Make/Model/Serial Number

Serial Number

Field ID (Mnemonic)	14.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

NIST Quality Metric

Field ID (Mnemonic)	14.022 (NQM)		
Description	This ASCII field shall contain the NIST Fingerprint Image Quality (NFIQ) scores for the individual finger(s) derived from the slap impressions or individual rolled fingerprints. It consists of two information items. The first item is the finger number between one and ten. The second item is the quality score which is a quantitative expression of the predicted AFIS matcher accuracy performance of the fingerprint image. The scores range from "1" for the best quality image, to "5" for the worst quality image. A "254" indicates that no score was ever computed while an entry of "255" shall indicate a failed attempt to calculate the image quality metric. These two information items are separated. Individual finger quality definitions are separated.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge NIST Quality Position

Field ID (Mnemonic)	14.022_1 (FRNP)		
Description	The first information item of a NIST quality metric field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes

Type-14 Variable-Resolution Fingerprint Image Record

NIST Quality Metric

Friction Ridge NIST Quality Position

Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FRNP <= 10 or FGP = 16 or 17; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot 63 = Unknown toe 64 = Right big toe 65 = Right second toe 66 = Right middle toe		

Type-14 Variable-Resolution Fingerprint Image Record

NIST Quality Metric

Friction Ridge NIST Quality Position

	67 = Right fourth toe 68 = Right little toe 69 = Left big toe 70 = Left second toe 71 = Left middle toe 72 = Left fourth toe 73 = Left little toe 74 = Front / ball of right foot 75 = Back / heel of right foot 76 = Front / ball of left foot 77 = Back / heel of left foot 78 = Right arch of foot 79 = Left arch of foot

NIST Image Quality Score

Field ID (Mnemonic)	14.022_2 (IQS)		
Description	This information item is the quality score which is a quantitative expression of the predicted AFIS matcher accuracy performance of the fingerprint image. The scores range from "1" for the best quality image, to "5" for the worst quality image. A "254" indicates that no score was ever computed while an entry of "255" shall indicate a failed attempt to calculate the image quality metric.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Predicted Image Quality Score Quantity	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= IQS <= 5 or IQS = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE PREDICTED QUALITY SCORE QUANTITY CODES:
	  1 = Best Quality Image
	  2 = 2nd Best Quality Image
	  3 = Average Quality Image
	  4 = Below Average Quality Image
	  5 = Worst Quality Image
	  254 = No Score Computed
	  255 = Failed Attempt		

Print Position Coordinates

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Coordinates

Field ID (Mnemonic)	14.015 (PPC)		
Description	Describe the type or portion of the latent image contained in this record and its location within an entire joint image. If finger position code "19" appears in Finger Position field, this set contains offsets to the locations for the bounding box of the EJI, each of the full finger views, or segments within the EJI. This set consists of 6 information items: full finger view, segment location, horizontal offset left and right, and vertical offset top and bottom. For the case of a fingertip, the first information item shall be "TIP", and the second information item shall be "NA". The next four information items are the horizontal and vertical offsets as defined above. The six information items will describe either the location of the entire joint image, one full finger view, or segment.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	6	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Full Finger View

Field ID (Mnemonic)	14.015_1 (FVC)		
Description	This information item is the number of the full finger view with values of "FV1" through "FV4". Values of "FV1" to "FV4" specify the bounding coordinates for each full finger view. For the case of a fingertip, this information item shall be "TIP". FVC will contain the code "NA" if only a proximal, distal or medial segment is available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	NA,FV1,FV2,FV3,FV4 or TIP; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC ONLY:
	  NA = Only a proximal, distal or medial segment is available
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC OR FIC:
	  TIP = Rolled Tip
	  FV1 = Full Finger Rolled Image
	  FV2 = Full Finger Plain Image – left side
	  FV3 = Full Finger Plain Image – center
	  FV4 = Full Finger Plain Image – right side		

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Coordinates

Location of Segment

Field ID (Mnemonic)	14.015_2 (LOS)		
Description	This information item is used to identify the location of a segment within a full finger view. It will contain the not applicable code "NA" if the image portion refers to a full finger view or to the entire joint image locations. It shall contain "PRX", "DST", "MED" for a proximal, distal, or medial segment.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Segment Location	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	LOS = NA,PRX,DST or MED; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS ONLY:
	    NA = Image portion refers to a full finger view, tip or to the entire joint image locations
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS OR FIC:
	    PRX = Proximal
	    DST = Distal Segment
	    MED = Medial Segment		

Left Horizontal Coordinate

Field ID (Mnemonic)	14.015_3 (LHC)		
Description	It is the horizontal offset in pixels to the left edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Horizontal Offset Left	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Coordinates

Right Horizontal Coordinate

Field ID (Mnemonic)	14.015_4 (RHC)		
Description	It is the horizontal offset in pixels to the right edge of the bounding box relative to the origin positioned in the upper left corner of the image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Horizontal Offset Right	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	LHC <= RHC <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Top Vertical Coordinate

Field ID (Mnemonic)	14.015_5 (TVC)		
Description	The vertical offset (pixel counts down) to the top of the bounding box.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Vertical Offset Top	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= TVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Coordinates

Bottom Vertical Coordinate

Field ID (Mnemonic)	14.015_6 (BVC)		
Description	It is the vertical offset from the upper left corner of the image down to the bottom of the bounding box. It is counted in pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Vertical Offset Bottom	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	TVC <= BVC <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Print Position Descriptors [Type-14]

Field ID (Mnemonic)	14.014 (PPD)		
Description	This ASCII field shall be present if and only if the finger position code "19" appears in [Type-14 Finger Position field]. This field shall consist of two information items. The first is the probable decimal finger position code (0-10). The second information item is the code to indicate the portion of the EJI or tip image that is stored as a single image in the database. There may be up to 17 such images for a single finger. Images of full-length fingers use codes FV1 through FV4.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Print Position Descriptors	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Descriptors [Type-14]

Decimal Finger Position Code

Field ID (Mnemonic)	14.014_1 (DFP)		
Description	The first information item of 14.014 Print Position Descriptors with value of 1 to 10, inclusive or 16 or 17.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= DFP <= 10 or DFP = 16 or 17; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip		

Type-14 Variable-Resolution Fingerprint Image Record

Print Position Descriptors [Type-14]

Finger Image Code

Field ID (Mnemonic)	14.014_2 (FIC)		
Description	The second information item of the Search Position Descriptors (SPD) field to indicate the portion of the database to search. Full-length finger joint images use codes FV1 through FV4. Figure 2 is an illustration of the Entire Joint Image for a middle finger with each of the full finger views and constituent parts identified. Multiple portions of the EJI may be listed in a separate subfield.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	EJI/Tip Image Type	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 3	**DoD EBTS 3.0**	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	EJI, TIP, FV1, FV2, FV3, FV4, PRX, DST or MED		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FIC ONLY:
	  EJI = Entire Joint Image
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC ONLY:
	  NA = Only a proximal, distal or medial segment is available
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - FVC OR FIC:
	  TIP = Rolled Tip
	  FV1 = Full Finger Rolled Image
	  FV2 = Full Finger Plain Image – left side
	  FV3 = Full Finger Plain Image – center
	  FV4 = Full Finger Plain Image – right side
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS ONLY:
	  NA = Image portion refers to a full finger view, tip or to the entire joint image locations
	JOINT IMAGE SEGMENTS, TIP & FINGER VIEW CODES - LOS OR FIC:
	  PRX = Proximal
	  DST = Distal Segment
	  MED = Medial Segment		

Record Header

Type-14 Variable-Resolution Fingerprint Image Record

Record Header

Field ID (Mnemonic)	14.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Depending on encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	14.028-029,032-199,901,905-992,994		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Type-14 Variable-Resolution Fingerprint Image Record

Scale Units

Field ID (Mnemonic)	14.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCALE UNIT CODES:
	  1 = Pixels Per Inch
	  2 = Pixels Per Centimeter
	  0 = No Scale		

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	14.016 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Type-14 Variable-Resolution Fingerprint Image Record

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	14.017 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Segmentation Quality Metric

Field ID (Mnemonic)	14.023 (SQM)		
Description	This ASCII field provides a measure of estimated correctness regarding the accuracy of the location of the segmented finger within the right or left four finger or two thumbs slap image. For each segmented finger, this field shall contain four information items separated. The first information item is the finger number between one and ten. The other three items identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Segment Quality Position

Field ID (Mnemonic)	14.023_1 (FRQP)		
Description	The first information item of a segmentation quality metric field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes

Type-14 Variable-Resolution Fingerprint Image Record

Segmentation Quality Metric

Friction Ridge Segment Quality Position

Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= FRQP <= 10 or FGP = 16 or 17; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot 63 = Unknown toe 64 = Right big toe 65 = Right second toe 66 = Right middle toe		

Type-14 Variable-Resolution Fingerprint Image Record

Segmentation Quality Metric

Friction Ridge Segment Quality Position

67 = Right fourth toe
68 = Right little toe
69 = Left big toe
70 = Left second toe
71 = Left middle toe
72 = Left fourth toe
73 = Left little toe
74 = Front / ball of right foot
75 = Back / heel of right foot
76 = Front / ball of left foot
77 = Back / heel of left foot
78 = Right arch of foot
79 = Left arch of foot

Quality Value

Field ID (Mnemonic)	14.023_2 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Segmentation Quality Metric

Algorithm Vendor Identification

Field ID (Mnemonic)	14.023_3 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	14.023_4 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Simultaneous Capture

Type-14 Variable-Resolution Fingerprint Image Record

Simultaneous Capture

Field ID (Mnemonic)	14.026 (SCF)		
Description	This optional field allows the user to link together fingerprint images that were captured simultaneously. Note that this is different from the IDC. This is used, for instance, when individual flat print are captured on different platens simultaneously. Such images should not be stitched together for transmission as a single multiple-finger print image, but they should be coded with the same SCF value to indicate that they were captured simultaneously, and that there is little possibility of a mistaken fingerprint code. The SCF is a 1-based numeric index that is incremented for each simultaneously captured set of images, and shall be omitted otherwise.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 3	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SCF <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	14.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Source Agency/ORI	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to -	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-14 Variable-Resolution Fingerprint Image Record

Source Agency Name

Field ID (Mnemonic)	14.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Field ID (Mnemonic)	14.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-14 Variable-Resolution Fingerprint Image Record

Source Representation

Source Representation Number

Field ID (Mnemonic)	14.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reference Segment Position

Field ID (Mnemonic)	14.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Stitched Image Flag

Type-14 Variable-Resolution Fingerprint Image Record

Stitched Image Flag

Field ID (Mnemonic)	14.027 (SIF)		
Description	This field signifies that images captured separately were stitched together to form a single image. This field is mandatory if an image has been stitched, and the value shall be set to 'Y'. Otherwise, this field shall not appear in the record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	SIF = Y		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	YES_ONLY CODES: Y = Yes		

Subject Acquisition Profile - Fingerprint

Field ID (Mnemonic)	14.031 (FAP)		
Description	The profile levels for fingerprint acquisition are optional and are based upon those listed in the Mobile ID Best Practice Recommendation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	FAP = 10, 20, 30, 40, 50 or 60; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SUBJECT ACQUISITION PROFILES FOR FINGERPRINT:
	    10 = FAP 10
	    20 = FAP 20
	    30 = FAP 30
	    40 = FAP 40
	    50 = FAP 50
	    60 = FAP 60		

Transmitted Horizontal Pixel Scale

Type-14 Variable-Resolution Fingerprint Image Record

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	14.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	14.010 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-14 Variable-Resolution Fingerprint Image Record

User Defined Fields

Field ID (Mnemonic)	14.200 - 14.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Field ID (Mnemonic)	14.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-14)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Amputated or Bandaged

Field ID (Mnemonic)	15.018 (AMP)		
Description	This optional field shall specify if one or more fingers are amputated or bandaged. This field shall consist of one subfield for each amputated or missing finger. Each subfield shall contain two information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Amputation or Bandage Position

Field ID (Mnemonic)	15.018_1 (FRAP)		
Description	The first information item of the amputated and bandaged field indicating the friction ridge position.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	21 <= FRAP <= 38 or 81 <= FRAP <= 84; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip		

Type-15 Variable-Resolution Palmprint Image Record

Amputated or Bandaged

Friction Ridge Amputation or Bandage Position

Look Up Codes	~~19 = Lot of tip~~
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm
	FRICTION RIDGE POSITION CODE - PLANTAR POSITION:
	  60 = Unknown sole
	  61 = Sole - right foot
	  62 = Sole - left foot
	  63 = Unknown toe
	  64 = Right big toe
	  65 = Right second toe
	  66 = Right middle toe
	  67 = Right fourth toe
	  68 = Right little toe
	  69 = Left big toe
	  70 = Left second toe
	  71 = Left middle toe
	  72 = Left fourth toe
	  73 = Left little toe
	  74 = Front / ball of right foot
	  75 = Back / heel of right foot
	  76 = Front / ball of left foot
	  77 = Back / heel of left foot
	  78 = Right arch of foot
	  79 = Left arch of foot

Type-15 Variable-Resolution Palmprint Image Record

Amputated or Bandaged

Amputated or Bandaged Code

Field ID (Mnemonic)	15.018_2 (ABC)		
Description	This information item provides the code that describes the reason the finger's image is missing.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	ABC = XX or UP		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	FINGERPRINT MISSING REASON CODES:
	  UP = Unable to print (e.g., bandaged)
	  XX = Partial print due to amputation		

Annotated Information

Field ID (Mnemonic)	15.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Annotated Information

Greenwich Mean Time

Field ID (Mnemonic)	15.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Processing Algorithm Name / Version

Field ID (Mnemonic)	15.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Annotated Information

Algorithm Owner

Field ID (Mnemonic)	15.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Process Description

Field ID (Mnemonic)	15.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Type-15 Variable-Resolution Palmprint Image Record

Associated Context

Field ID (Mnemonic)	15.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Field ID (Mnemonic)	15.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Associated Context

Associated Segment Position

Field ID (Mnemonic)	15.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bits Per Pixel

Field ID (Mnemonic)	15.012 (BPX)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Device Firmware Version Number (Sunset)

Type-15 Variable-Resolution Palmprint Image Record

Capture Device Firmware Version Number (Sunset)

Field ID (Mnemonic)	n/a		
Description	The firmware version number for the biometric capture device that was used to collect the associated biometric sample.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<ANSI/NIST ITL 20011 has only defined make/model/serial number.>		
Look Up Codes	n/a		

Capture Device Global Identifier (Sunset)

Field ID (Mnemonic)	15.201 (DEV_GI)		
Description	This field shall contain a 16-byte string to indicate a global unique identifier for an image capture device.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	16 to 16	DoD EBTS 3.0	Sunset
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<The GUI field is no longer used in in ANSI/NIST ITL 1-2011. It did not conform to the standard GUI usage in information technology. All other DEV_GI fields were modeled after this.>		
Look Up Codes	n/a		

Capture Time (Sunset)

Type-15 Variable-Resolution Palmprint Image Record

Capture Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall contain the time in UTC that the biometric sample or contextual information contained in the record was captured. The time shall appear as 6 digits format HHMMSS with 'Z' being the zone designator for the zero UTC offset. The complete time must be a legitimate time.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	7 to 7	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Supported by x.998_1 UTE for Type-10 to 99.>		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	15.020 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm

Type-15 Variable-Resolution Palmprint Image Record

Compression Algorithm

Field ID (Mnemonic)	15.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES:
	  NONE = Uncompressed
	  WSQ20 = WSQ Version 2.0
	  JPEGB = JPEG ISO/IEC 10918 (Lossy)
	  JPEGL = JPEG ISO/IEC 10918 (Lossless)
	  JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy)
	  JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless)
	  PNG = Portable Network Graphics		

Device Monitoring Mode

Field ID (Mnemonic)	15.030 (DMM)		
Description	This field provides information describing the human monitoring operation of the image capture device. This field will contain an entry from [possible codes below] to indicate the monitoring mode of the biometric sample capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	7 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BIOMETRIC CAPTURE DEVICE MONITORING MODE CODES:
	  CONTROLLED = Operator physically controls the subject to acquire biometric sample
	  ASSISTED = Person available to provide assistance to subject submitting the biometric
	  OBSERVED = Person present to observe operation of the device but provides no assistance
	  UNATTENDED = No one present to observe or provide assistance
	  UNKNOWN = No information is known		

Device Unique Identifier

Type-15 Variable-Resolution Palmprint Image Record

Device Unique Identifier

Field ID (Mnemonic)	15.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	Digitization Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Friction Ridge Generalized Position

Field ID (Mnemonic)	15.013 (FGP)
Description	This field is used in Record types dealing with friction ridges. It specifies which friction ridge biometric sample was collected.

Type-15 Variable-Resolution Palmprint Image Record

Friction Ridge Generalized Position

Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Finger Position	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 2	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	20 <= FGP <= 38 or 81 <= FGP <= 84; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Friction Ridge Generalized Position

Look Up Codes	2-FINGER COMBINATIONS:
	  40 = Right index/middle
	  41 = Right Middle/Ring
	  42 = Right Ring/Little
	  43 = Left Index/Middle
	  44 = Left Middle/Ring
	  45 = Left Ring/Little
	  46 = Right index/ Left index
	3-FINGER COMBINATIONS:
	  47 = Right Index/Middle/Ring
	  48 = Right Middle/Ring/Little
	  49 = Left Index/Middle/Ring
	  50 = Left Middle/Ring/Little
	FRICTION RIDGE POSITION CODE - FINGER POSITION:
	  0 = Unknown Finger
	  1 = Right Thumb
	  2 = Right Index Finger
	  3 = Right Middle Finger
	  4 = Right Ring Finger
	  5 = Right Little Finger
	  6 = Left Thumb
	  7 = Left Index Finger
	  8 = Left Middle Finger
	  9 = Left Ring Finger
	  10 = Left little finger
	  11 = Plain right thumb
	  12 = Plain left thumb
	  13 = Plain right four fingers
	  14 = Plain left four fingers
	  15 = Left & right thumbs
	  16 = Right extra digit
	  17 = Left extra digit
	  18 = Unknown friction ridge
	  19 = EJI or tip
	FRICTION RIDGE POSITION CODE - PALM POSITION:
	  20 = Unknown Palm
	  21 = Right Full Palm
	  22 = Right Writer's Palm
	  23 = Left Full Palm
	  24 = Left Writer's Palm
	  25 = Right Lower Palm
	  26 = Right Upper Palm
	  27 = Left Lower Palm
	  28 = Left Upper Palm
	  29 = Right Other
	  30 = Left Other
	  31 = Right Interdigital
	  32 = Right Thenar
	  33 = Right Hypothenar
	  34 = Left Interdigital
	  35 = Left Thenar
	  36 = Left Hypothenar
	  37 = Right grasp
	  38 = Left grasp
	  81 = Right carpal delta area
	  82 = Left carpal delta area
	  83 = Right full palm, including writer's palm
	  84 = Left full palm, including writer's palm

Geographic Sample Acquisition Location

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Field ID (Mnemonic)	15.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Universal Time Entry

Field ID (Mnemonic)	15.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Latitude Degree Value

Field ID (Mnemonic)	15.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Minute Value

Field ID (Mnemonic)	15.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Latitude Second Value

Field ID (Mnemonic)	15.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Degree Value

Field ID (Mnemonic)	15.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Longitude Minute Value

Field ID (Mnemonic)	15.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Second Value

Field ID (Mnemonic)	15.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Elevation

Field ID (Mnemonic)	15.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	15.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	15.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	15.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	15.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	15.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	15.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	15.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 126	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	15.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	64 to 64	**DoD EBTS 3.0**	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Hash

Horizontal Line Length

Field ID (Mnemonic)	15.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Source Code

Field ID (Mnemonic)	15.200 (ISC)		
Description	This optional numeric field indicates to which source the included image belongs. This field allows images from multiple biometric sets that use the same record type to be distinguishable. Two different values are used for the Palmprint card to distinguish between the index finger image on the front of the card and the index finger that is part of the set of five finger images on the back of the card. Livescan palm capture should use value 2 and is not expected to contain any finger images.		
Remarks	n/a		
Format	n/a	Source	IAFIS-DOC-01078-9.3 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	0 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	ISC = 1, 2, 3, or 4		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	ISC CODE VALUES:
	  1 = Tenprint Fingerprint Set
	  2 = Palmprint Set - Front of Card (including fingers on front)
	  3 = Palmprint Set - Fingers on Back of Card
	  4 = Supplemental Print Set		

Impression Type

Type-15 Variable-Resolution Palmprint Image Record

Impression Type

Field ID (Mnemonic)	15.003 (IMP)		
Description	This mandatory field shall indicate the manner by which the friction ridge print was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	IMP = 10 or 11 or 28 or 29; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE IMPRESSION CODES: 0 = Livescan (type unknown or unspecified) - Fingerprint Plain 1 = Livescan (type unknown or unspecified) - Fingerprint Rolled 2 = Non-livescan (e.g. inked) - Fingerprint Plain 3 = Non-livescan (e.g. inked) - Fingerprint Rolled 4 = Latent Impression - Fingerprint 5 = Latent Tracing - Fingerprint 6 = Latent Photo - Fingerprint 7 = Latent Lift - Fingerprint 8 = Livescan Vertical Swipe - Fingerprint Plain 10 = Livescan (type unknown or unspecified) - Palm 11 = Non-livescan (e.g. inked) - Palm 12 = Latent Impression - Palm 13 = Latent Tracing - Palm 14 = Latent Photo - Palm 15 = Latent Lift - Palm 20 = Livescan Optical Contact - Fingerprint Plain 21 = Livescan Optical Contact - Fingerprint Rolled 22 = Livescan Non-Optical Contact - Fingerprint Plain 23 = Livescan Non-Optical Contact - Fingerprint Rolled 24 = Livescan Optical Contactless - Fingerprint Plain 25 = Livescan Optical Contactless - Fingerprint Rolled 26 = Livescan Non-Optical Contactless - Fingerprint Plain 27 = Livescan Non-Optical Contactless - Fingerprint Rolled 28 = Other 29 = Unknown 30 = Live-scan plantar 31 = Nonlive-scan plantar 32 = Latent impression plantar 33 = Latent tracing plantar 34 = Latent photo plantar 35 = Latent lift plantar 36 = Latent impression unknown friction-ridge 37 = Latent tracing unknown friction-ridge 38 = Latent photo unknown friction-ridge 39 = Latent lift unknown friction-ridge		

Information Designation Character

Type-15 Variable-Resolution Palmprint Image Record

Information Designation Character

Field ID (Mnemonic)	15.002 (IDC)
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.
Remarks	n/a

Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Field ID (Mnemonic)	15.904 (MMS)
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".
Remarks	n/a

Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Make/Model/Serial Number

Make

Field ID (Mnemonic)	15.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Model

Field ID (Mnemonic)	15.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Make/Model/Serial Number

Serial Number

Field ID (Mnemonic)	15.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Palmprint Capture Date

Field ID (Mnemonic)	15.005 (PCD)		
Description	This ASCII field shall contain the date that the palmprint image contained in the record was captured. The date shall appear as eight digits in the format YYYYMMDD. The YYYY characters shall represent the year the image was captured; the MM characters shall be the tens and units values of the month; and the DD characters shall be the tens and units values of the day in the month. For example, 20040229 represents February 29, 2004. The complete date must be a legitimate date.		
Remarks	n/a		
Format	YYYYMMDD	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Palmprint Image

Type-15 Variable-Resolution Palmprint Image Record

Palmprint Image

Field ID (Mnemonic)	15.999 (DATA)		
Description	This mandatory field contains the palm image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Palmprint Quality Metric

Field ID (Mnemonic)	15.024 (PQM)		
Description	This ASCII set is used to specify one or more different metrics of palm image quality score data for the image stored in this record. The meaning attributed to this metric must be defined and interpreted by the producer of the scoring algorithm or by the person or system used to assign the metric to the palm print image. The metric may be a predictor of AFIS matcher accuracy performance or a different metric to indicate a value associated with the quality of the palm print image for a particular function. This field may contain one or more subfields, each consisting of four information items. The first information item is the palm code. The other three items identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Friction Ridge Metric Position

Field ID (Mnemonic)	15.024_1 (FRMP)
Description	The first information item of a quality metric field indicating the friction ridge position.
Remarks	n/a

Type-15 Variable-Resolution Palmprint Image Record

Palmprint Quality Metric

Friction Ridge Metric Position

Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	20 <= FRMP <= 38 or 81 <= FRC <= 84; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FRICTION RIDGE POSITION CODE - FINGER POSITION: 0 = Unknown Finger 1 = Right Thumb 2 = Right Index Finger 3 = Right Middle Finger 4 = Right Ring Finger 5 = Right Little Finger 6 = Left Thumb 7 = Left Index Finger 8 = Left Middle Finger 9 = Left Ring Finger 10 = Left little finger 11 = Plain right thumb 12 = Plain left thumb 13 = Plain right four fingers 14 = Plain left four fingers 15 = Left & right thumbs 16 = Right extra digit 17 = Left extra digit 18 = Unknown friction ridge 19 = EJI or tip FRICTION RIDGE POSITION CODE - PALM POSITION: 20 = Unknown Palm 21 = Right Full Palm 22 = Right Writer's Palm 23 = Left Full Palm 24 = Left Writer's Palm 25 = Right Lower Palm 26 = Right Upper Palm 27 = Left Lower Palm 28 = Left Upper Palm 29 = Right Other 30 = Left Other 31 = Right Interdigital 32 = Right Thenar 33 = Right Hypothenar 34 = Left Interdigital 35 = Left Thenar 36 = Left Hypothenar 37 = Right grasp 38 = Left grasp 81 = Right carpal delta area 82 = Left carpal delta area 83 = Right full palm, including writer's palm 84 = Left full palm, including writer's palm FRICTION RIDGE POSITION CODE - PLANTAR POSITION: 60 = Unknown sole 61 = Sole - right foot 62 = Sole - left foot		

Type-15 Variable-Resolution Palmprint Image Record

Palmprint Quality Metric

Friction Ridge Metric Position

	63 = Unknown toe 64 = Right big toe 65 = Right second toe 66 = Right middle toe 67 = Right fourth toe 68 = Right little toe 69 = Left big toe 70 = Left second toe 71 = Left middle toe 72 = Left fourth toe 73 = Left little toe 74 = Front / ball of right foot 75 = Back / heel of right foot 76 = Front / ball of left foot 77 = Back / heel of left foot 78 = Right arch of foot 79 = Left arch of foot

Quality Value

Field ID (Mnemonic)	15.024_2 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Palmprint Quality Metric

Algorithm Vendor Identification

Field ID (Mnemonic)	15.024_3 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	15.024_4 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Type-15 Variable-Resolution Palmprint Image Record

Record Header

Field ID (Mnemonic)	15.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Depending upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	15.(14,15,19,21-23,25-29,31-199,901,905-992,994)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Type-15 Variable-Resolution Palmprint Image Record

Scale Units

Field ID (Mnemonic)	15.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= SLC <= 2; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCALE UNIT CODES:
	  1 = Pixels Per Inch
	  2 = Pixels Per Centimeter
	  0 = No Scale		

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	15.016 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Type-15 Variable-Resolution Palmprint Image Record

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	15.017 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	15.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-15 Variable-Resolution Palmprint Image Record

Source Agency Name

Field ID (Mnemonic)	15.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Field ID (Mnemonic)	15.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-15 Variable-Resolution Palmprint Image Record

Source Representation

Source Representation Number

Field ID (Mnemonic)	15.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reference Segment Position

Field ID (Mnemonic)	15.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Horizontal Pixel Scale

Type-15 Variable-Resolution Palmprint Image Record

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	15.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	15.010 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-15 Variable-Resolution Palmprint Image Record

User Defined Fields

Field ID (Mnemonic)	15.200 - 15.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Field ID (Mnemonic)	15.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-15)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-16 Interim Support Iris Image (Deprecated)

Bits Per Pixel (Deprecated)

Field ID (Mnemonic)	16.012 (BPS)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Device Global Identifier (Sunset)

Field ID (Mnemonic)	16.018 (GUID)		
Description	This field shall contain a 16-byte string to indicate a global unique identifier for an image capture device.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	16 to 16	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<The GUI field is no longer used in in ANSI/NIST ITL 1-2011. It did not conform to the standard GUI usage in information technology. All other DEV_GI fields were modeled after this.>		
Look Up Codes	n/a		

Compression Algorithm [Type-16] (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Compression Algorithm [Type-16] (Deprecated)

Field ID (Mnemonic)	16.011 (CGA)		
Description	This mandatory ASCII field shall specify the algorithm used to compress the image. An entry of "NONE" in this field indicates that the data contained in this record are uncompressed. The domain registrar, DoD Biometrics, maintains a registry of acceptable compression techniques and corresponding codes.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	4 to 5	DoD EBTS 3.0	No
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	IRIS IMAGE COMPRESSION ALGORITHM CODES:
	  JPEGB = JPEG
	  NONE = Uncompressed		

Device Unique Identifier (Deprecated)

Field ID (Mnemonic)	16.017 (DID)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_ Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	No
Char Types	ANS		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Feature Identifier (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Feature Identifier (Deprecated)

Field ID (Mnemonic)	16.003 (FID)		
Description	This mandatory field shall contain an identifier indicating which eye is represented by the image in the record. An entry of "0" in this field indicates that the image in this record is undefined. An entry of "1" in this field indicates that the image in this record is of a right eye. An entry of "2" in this field indicates that the image in this record is of a left eye.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	FEATURE IDENTIFIER CODES :
	  0 = Undefined
	  1 = Right Eye
	  2 = Left Eye		

Horizontal Line Length [Iris] (Deprecated)

Field ID (Mnemonic)	16.006 (HLL)		
Description	This ASCII field shall contain the number of pixels contained on a single horizontal line of the transmitted of a iris image.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 4	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Designation Character [Iris] (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Image Designation Character [Iris] (Deprecated)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall be used to identify the iris image data contained in the record. This IDC shall match the IDC found in the file content (CNT) field of the Type-1 record.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Image Format (Deprecated)

Field ID (Mnemonic)	16.005 (IFM)		
Description	Specify the type of image format used.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	IRIS IMAGE FORMAT CODES: 0 = Undefined 2 = Gray Scale (mono) raw image format 4 = RGB (color) raw image format 6 = RGB gray scale (mono) JPEG image format 8 = RGB (color) JPEG image format		

Image Properties (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Image Properties (Deprecated)

Field ID (Mnemonic)	16.016 (IPR)		
Description	This optional field shall contain the image property code, and shall contain six information items. The information items shall indicate the specific: 1. horizontal orientation 2. vertical orientation 3. scan type 4. iris occlusions 5. occlusion filling 6. boundary extraction		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	6	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Orientation (Deprecated)

Field ID (Mnemonic)	16.016_1 (IPR_HZ_OR)		
Description	This field shall be one of: "0" for Undefined, "1" for Base, or "2" for Flipped. "Base" orientation refers to images corresponding to the view facing the subject, where the nasal side of subject's left eye or outer edge of the subject's right eye is on the left side the of image. "Flipped" orientation refers to images where the orientation is opposite from that described for "Base"		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	IMAGE ORIENTATION CODES:
	  0 = Undefined
	  1 = Base
	  2 = Flipped		

Type-16 Interim Support Iris Image (Deprecated)

Image Properties (Deprecated)

Vertical Orientation (Deprecated)

Field ID (Mnemonic)	16.016_2 (IPR_VR_OR)		
Description	This shall be one of: "0" for Undefined, "1" for Base, or "2" for Flipped. "Base" orientation refers to images where the superior (top) edge of the eye is at the top of the image. "Flipped" orientation refers to images where the orientation is opposite from that described for "Base"		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	IMAGE ORIENTATION CODES:
	  0 = Undefined
	  1 = Base
	  2 = Flipped		

Specific Scan Type (Deprecated)

Field ID (Mnemonic)	16.016_3 (IPR_ST)		
Description	This shall be one of: "0" for Undefined, "1" for Progressive, "2" for Interlace Frame, or "3" for Interlace Field. "Progressive" indicates that the image was captured using progressive scanning, in which case all image lines are generated sequentially. "Interlace Frame" indicates that the image was captured using interlaced scanning, in which two fields are generated in sequence, the first composed of odd numbered lines and the second of even-numbered lines. "Interlace Field" indicates that the image was captured using interlaced scanning, in which only one field is generated, and then each line is duplicated to produce a full size image		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Scan Type	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	SCAN CODES:
	  0 = Undefined
	  1 = Progressive
	  2 = Interlace Frame
	  3 = Interlace Field		

Type-16 Interim Support Iris Image (Deprecated)

Image Properties (Deprecated)

Iris Occlusions (Sunset)

Field ID (Mnemonic)	16.016_4 (IPR_IRIS_OCC)		
Description	This field contains the iris occlusions.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Related to polar iris format, not used.>		

Look Up Codes	IRIS OCCLUSIONS CODES:
	  0 = Undefined
	  1 = Processed		

Occlusion Filling (Sunset)

Field ID (Mnemonic)	16.016_5 (IPR_OCC_FILL)		
Description	This field contains the occlusion filling.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Related to polar iris format, not used.>		

Look Up Codes	OCCLUSION FILLING CODES:
	  0 = Zerofill
	  1 = Unitfill		

Type-16 Interim Support Iris Image (Deprecated)

Image Properties (Deprecated)

Boundary Extraction (Sunset)

Field ID (Mnemonic)	16.016_6 (IPR_BEXT)		
Description	This field contains the boundary extraction.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Related to polar iris format, not used.>		

Look Up Codes	BOUNDARY EXTRACTION CODES:
	  0 = Undefined
	  1 = Processed		

Image Transformation (Sunset)

Field ID (Mnemonic)	16.019 (ITF)		
Description	This optional field shall specify the transformation type used in the record. A "0" in this filed indicates transformation type undefined,; a "1" indicates standard transformation type.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Related to polar iris format, not used.>		

Look Up Codes	IMAGE TRANSFORMATION CODES:
	  0 = Undefined
	  1 = Standard		

Iris Image Quality (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Iris Image Quality (Deprecated)

Field ID (Mnemonic)	16.013 (IIQ)		
Description	This optional field shall indicate the image quality value. This field is defined in ANSI INCITS 379-2004 – Iris Image Interchange Format.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		

Look Up Codes	ANSI-INCITS 379-2004 IRIS IMAGE QUALITY CODES:
	  254 = image quality score is not available
	  26-50 = low
	  51-75 = medium
	  76-100 = high		

Iris Image [Type-16] (Deprecated)

Field ID (Mnemonic)	16.999 (DAT)		
Description	This mandatory field shall contain the grayscale or color data from an iris, is always assigned field number 999, and must be the last physical field in the feature record.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Iris Image	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to -	DoD EBTS 3.0	No
Char Types	B		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Logical Record Length [Type-16] (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Logical Record Length [Type-16] (Deprecated)

Field ID (Mnemonic)	16.001 (LEN)		
Description	This mandatory field shall contain the length of the logical record specifying the total number of bytes, including every byte of every field contained in the record.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 7	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number (Deprecated)

Field ID (Mnemonic)	16.004 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	Yes
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-16 Interim Support Iris Image (Deprecated)

Make/Model/Serial Number (Deprecated)

Make (Deprecated)

Field ID (Mnemonic)	16.004_1 (MMS_MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Capture Device Manufacturer	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Model (Deprecated)

Field ID (Mnemonic)	16.004_2 (MMS_MODEL)		
Description	The model number for the capture device.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Capture Device Model	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 50	**DoD EBTS 3.0**	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-16 Interim Support Iris Image (Deprecated)

Make/Model/Serial Number (Deprecated)

Serial Number (Deprecated)

Field ID (Mnemonic)	16.004_3 (MMS_SERIAL)		
Description	The serial number for the capture device.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	No
Char Types	U		
Special Chars	Any		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rotation Angle of Eye (Deprecated)

Field ID (Mnemonic)	n/a		
Description	This field shall indicate the rotation angle of the eye. For rectilinear images, rotation angle = round (65536 * angle / 360) modulo 65536. The angle is measured in degrees from horizontal to the interpupillary line. The value "FFFF" indicates rotation angle of eye is undefined.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	No
Char Types	H		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rotation Uncertainty (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Rotation Uncertainty (Deprecated)

Field ID (Mnemonic)	16.015 (RUC)		
Description	This field shall indicate the rotation uncertainty. The rotation uncertainty is equal to [round (65536 * uncertainty / 180)]. The uncertainty is measured in degrees and is the absolute value of maximum error. The value "FFFF" indicates uncertainty is undefined.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	No
Char Types	H		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units (Deprecated)

Field ID (Mnemonic)	16.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	SCALE UNIT CODES: 1 = Pixels Per Inch 2 = Pixels Per Centimeter 0 = No Scale		

Transmitted Horizontal Pixel Scale (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Transmitted Horizontal Pixel Scale (Deprecated)

Field ID (Mnemonic)	16.009 (HPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_ Nov06_01.02.00
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale (Deprecated)

Field ID (Mnemonic)	16.010 (VPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	Source	DOD_BTF_TS_EBTS_ Nov06_01.02.00
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length [Iris] (Deprecated)

Type-16 Interim Support Iris Image (Deprecated)

Vertical Line Length [Iris] (Deprecated)

Field ID (Mnemonic)	16.007 (VLL)		
Description	This ASCII field shall contain the number of vertical lines contained in the transmitted iris image.		
Remarks	Use of this element with Type-16/Iris Image (Interim Support) is discouraged. DoD EBTS 2.0 only specifies the use of Type-17 Iris Image.		
Format	n/a	**Source**	DOD_BTF_TS_EBTS_Nov06_01.02.00
Previous DDE Name	n/a	**DoD EBTS 1.2**	Yes
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	3 to 4	**DoD EBTS 3.0**	No
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	<See Type-17 Iris Image>		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Annotated Information

Field ID (Mnemonic)	17.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	4	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Field ID (Mnemonic)	17.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	15 to 15	**DoD EBTS 3.0**	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Annotated Information

Processing Algorithm Name / Version

Field ID (Mnemonic)	17.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Owner

Field ID (Mnemonic)	17.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Annotated Information

Process Description

Field ID (Mnemonic)	17.902_4 (PRO)
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 255	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Field ID (Mnemonic)	17.995 (ASC)
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	2	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Associated Context

Associated Context Number

Field ID (Mnemonic)	17.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Segment Position

Field ID (Mnemonic)	17.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bits Per Pixel

Type-17 Iris Image Record

Bits Per Pixel

Field ID (Mnemonic)	17.012 (BPX)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Capture Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	This ASCII field shall contain the time in UTC that the biometric sample or contextual information contained in the record was captured. The time shall appear as 6 digits format HHMMSS with 'Z' being the zone designator for the zero UTC offset. The complete time must be a legitimate time.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	7 to 7	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Supported by x.998_1 UTE for Type-10 to 99.>		
Look Up Codes	n/a		

Color Space

Type-17 Iris Image Record

Color Space

Field ID (Mnemonic)	17.013 (CSP)		
Description	It shall contain an entry from the lookup codes below.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	3 to 4	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Values		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR SPACE CODES:
	  UNK = Undefined
	  GRAY = Grayscale (monochrome)
	  RGB = Undetermined color space for an RGB image
	  SRGB = SRGB (IEC 61966-2-1)
	  YCC = YCbCr (legacy)
	  SYCC = YCbCr (JPEG 2000 compressed)		

Comment

Field ID (Mnemonic)	17.021 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	Yes
Num Chars	1 to 126	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm [Type-17]

Type-17 Iris Image Record

Compression Algorithm [Type-17]

Field ID (Mnemonic)	17.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images. See ANSI/NIST ITL section on compression algorithm for a detailed description of this field.		
Remarks	The baseline JPEG algorithm (ISO/IEC 10918) shall not be used for Type-17 iris images. It has been shown that both false non-match and false match rates increase due to the presence of tiling artifacts introduced by JPEG's discrete cosine transform. While JPEG was allowed in prior versions of this standard, it shall not be allowed for new images. Implementers may want to support JPEG decoding for handling legacy images.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 4	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	CGA = NONE, PNG, JP2 or JP2L; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES: 　NONE = Uncompressed 　WSQ20 = WSQ Version 2.0 　JPEGB = JPEG ISO/IEC 10918 (Lossy) 　JPEGL = JPEG ISO/IEC 10918 (Lossless) 　JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy) 　JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless) 　PNG = Portable Network Graphics		

Damaged or Missing Eye

Field ID (Mnemonic)	17.028 (DME)		
Description	This optional field shall specify if one or both eyes are unable to provide usable iris images. The eye position is specified in Field 17.003: Eye Label / ELR . This field shall contain a code from Look Up Codes. "UC" should be entered if the eye is physically present, but a usable iris image cannot be captured. An example is when the eye is swollen shut due to injury.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	MISSING AND DAMAGED EYE CODES: 　MA = Missing or Artificial Eye 　UC = Unable to Capture Image		

Type-17 Iris Image Record

Device Monitoring Mode

Field ID (Mnemonic)	17.030 (DMM)		
Description	This field provides information describing the human monitoring operation of the image capture device. This field will contain an entry from [possible codes below] to indicate the monitoring mode of the biometric sample capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	7 to 10	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BIOMETRIC CAPTURE DEVICE MONITORING MODE CODES: CONTROLLED = Operator physically controls the subject to acquire biometric sample ASSISTED = Person available to provide assistance to subject submitting the biometric OBSERVED = Person present to observe operation of the device but provides no assistance UNATTENDED = No one present to observe or provide assistance UNKNOWN = No information is known		

Device Unique Identifier

Field ID (Mnemonic)	17.017 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Type-17 Iris Image Record

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	Digitization Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Effective Acquisition Spectrum

Field ID (Mnemonic)	17.025 (EAS)		
Description	This field indicates the acquisition spectrum used in capturing the iris image. The acquisition spectrum is the effective acquisition spectrum, which is limited by both the lighting spectrum and the spectrum limitations of the acquisition device: it is defined by the overlap of the two spectra. This field contains an alphabetic entry selected from the column "Value" in Look Up Codes below.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Acquisition Lighting Spectrum	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 9	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	LIGHTING SPECTRUM ACQUISITION CODES:
	  NIR = Near-infrared illumination. Approx. 700-900 nm.
	  VIS = Visible full spectrum illumination. Approx. 380-750 nm.
	  OTHER = Other illumination
	  DEFINED = Defined acquisition spectrum, in range of nanometers rounded to the nearest 10nm, e.g. 0740 to 0760 or 0800 to 0830. This option provides the means to specify the acquisition spectrum when known with precision. When this value is used, two information items shall accompany it. The format of these two information items shall be a 4-digit integer specifying the minimum of the spectrum range in nanometers, followed by a 4-digit integer specifying the maximum of the spectrum range in nanometers. The minimum value shall be less than or equal to the maximum value.
	  RED = Red portion of visible full-spectrum illumination. Approx. 620–750 nm.
	  UNDEFINED = This value shall be used when the effective spectrumis unknown or unavailable, and is not better described by one of the other values.		

Type-17 Iris Image Record

Eye Color

Field ID (Mnemonic)	17.020 (ECL)		
Description	This field shall specify the subject's eye color.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ALPHA EYE COLOR CODES: BLK = Black BLU = Blue BRO = Brown GRN = Green GRY = Gray HAZ = Hazel MAR = Maroon MUL = Multicolored PNK = Pink XXX = Unknown		

Eye Label

Field ID (Mnemonic)	17.003 (ELR)		
Description	This field shall contain an identifier for the eye represented by the image in the record. An entry of "0" in this field indicates that the image in this record is undefined. An entry of "1" in this field indicates that the image in this record is the subject's right eye. An entry of "2" in this field indicates that the image in this record is the subject's left eye.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Feature Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	ELR = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	FEATURE IDENTIFIER CODES : 0 = Undefined 1 = Right Eye 2 = Left Eye		

Type-17 Iris Image Record

Frontal Gaze

Field ID (Mnemonic)	17.041 (GAZ)		
Description	This optional field describes the metric that estimates the degree of eye(s) sight-angle relative to the camera. The angle shall be reported in degrees and defined as between: • The optical axis of the eye, and • A line connecting the optical center of the eye and the optical center of the camera. This measure is inclusive of both head angular orientation and eye-gaze angle relative to the head. The inclusive approach for gaze direction is not intended to be representative of the possible difficulty with iris segmentation due to non-frontal head orientation. Hence, two images with the same frontal gaze, but significantly different frontal head orientation may perform differently with different segmentation and matching algorithms.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	0 <= GAZ <= 90; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	17.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	17.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	17.998_02 (LTD)		
Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples: Buenos Aires, Argentina: -34 (with minutes LTM = 36) NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	17.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	17.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	17.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	17.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	17.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	17.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	17.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

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Type-17 Iris Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	17.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	17.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	17.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	17.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	17.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	17.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Global Unique Identifier (Sunset)

Field ID (Mnemonic)	17.018 (GUI)		
Description	This optional field shall contain a 16-byte string to indicate a GUID – a globally unique identifier.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2007 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	16 to 16	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<ANSI/NIST ITL 1-2011 has deprecated the use of Global Unique Identifier for devices. It did not conform to the standard GUI usage in information technology.>		
Look Up Codes	n/a		

Hash

Type-17 Iris Image Record

Hash

Field ID (Mnemonic)	17.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Line Length

Field ID (Mnemonic)	17.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Image Property Code

Field ID (Mnemonic)	17.016 (IPC)		
Description	This set shall contain the image property code. It shall contain three information items. The first information item shall indicate the specific horizontal orientation. The second information item shall indicate the specific vertical orientation. The third information item shall indicate the specific scan type. Each information item shall be one character.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Orientation

Field ID (Mnemonic)	17.016_1 (IHO)		
Description	This field shall be one of: "0" for Undefined, "1" for Base, or "2" for Flipped. "Base" orientation refers to images corresponding to the view facing the subject, where the nasal side of subject's left eye or outer edge of the subject's right eye is on the left side the of image. "Flipped" orientation refers to images where the orientation is opposite from that described for "Base"		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IHO <= 2; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE ORIENTATION CODES:
	  0 = Undefined
	  1 = Base
	  2 = Flipped		

Type-17 Iris Image Record

Image Property Code

Vertical Orientation

Field ID (Mnemonic)	17.016_2 (IVO)		
Description	This shall be one of: "0" for Undefined, "1" for Base, or "2" for Flipped. "Base" orientation refers to images where the superior (top) edge of the eye is at the top of the image. "Flipped" orientation refers to images where the orientation is opposite from that described for "Base"		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IVO <= 2; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE ORIENTATION CODES:
	  0 = Undefined
	  1 = Base
	  2 = Flipped		

Specific Scan Type

Field ID (Mnemonic)	17.016_3 (IST)		
Description	This shall be one of: "0" for Undefined, "1" for Progressive, "2" for Interlace Frame, or "3" for Interlace Field. "Progressive" indicates that the image was captured using progressive scanning, in which case all image lines are generated sequentially. "Interlace Frame" indicates that the image was captured using interlaced scanning, in which two fields are generated in sequence, the first composed of odd numbered lines and the second of even-numbered lines. "Interlace Field" indicates that the image was captured using interlaced scanning, in which only one field is generated, and then each line is duplicated to produce a full size image		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Scan Type	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	IST = 0 or 1		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCAN CODES:
	  0 = Undefined
	  1 = Progressive
	  2 = Interlace Frame
	  3 = Interlace Field		

Image Quality Score

Type-17 Iris Image Record

Image Quality Score

Field ID (Mnemonic)	17.024 (IQS)		
Description	This ASCII field shall specify a quality score data for the iris image stored in this record. Each subfield shall contain three information items. They identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Quality Value

Field ID (Mnemonic)	17.024_1 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Image Quality Score

Algorithm Vendor Identification

Field ID (Mnemonic)	17.024_2 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	17.024_3 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Information Designation Character

Type-17 Iris Image Record

Information Designation Character

Field ID (Mnemonic)	17.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Capture Date

Field ID (Mnemonic)	17.005 (ICD)		
Description	This mandatory field shall contain the date that the iris biometric data contained in the record was captured.		
Remarks	n/a		
Format	YYYYMMDD	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Diameter

Type-17 Iris Image Record

Iris Diameter

Field ID (Mnemonic)	17.026 (IRD)		
Description	This field shall specify the expected iris diameter in pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 < IRD < 9999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Image

Field ID (Mnemonic)	17.999 (DATA)		
Description	This mandatory field contains the iris image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Pupil Boundary

Type-17 Iris Image Record

Iris Pupil Boundary

Field ID (Mnemonic)	17.033 (IPB)		
Description	This optional field defines the pupillary boundary, between the iris and pupil.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Boundary Code

Field ID (Mnemonic)	17.033_1 (BYC)		
Description	Defines the shape of a boundary of a feature within an image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	BYC = C, E or P; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BOUNDARY DEFINITION CODES:
	  C = Circle
	  E = Ellipse
	  P = Polygon		

Type-17 Iris Image Record

Iris Pupil Boundary

Number of Points

Field ID (Mnemonic)	17.033_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	2 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	17.033_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Iris Pupil Boundary

Vertical Point Offset

Field ID (Mnemonic)	17.033_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Sclera Boundary

Field ID (Mnemonic)	17.034 (ISB)		
Description	This optional field defines the limbic boundary, between the iris and sclera.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Iris Sclera Boundary

Boundary Code

Field ID (Mnemonic)	17.034_1 (BYC)		
Description	Defines the shape of a boundary of a feature within an image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	BYC = C, E or P; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BOUNDARY DEFINITION CODES:
	  C = Circle
	  E = Ellipse
	  P = Polygon		

Number of Points

Field ID (Mnemonic)	17.034_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	2 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Iris Sclera Boundary

Horizontal Point Offset

Field ID (Mnemonic)	17.034_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Point Offset

Field ID (Mnemonic)	17.034_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Iris Storage Format

Type-17 Iris Image Record

Iris Storage Format

Field ID (Mnemonic)	17.032 (ISF)		
Description	This mandatory field shall indicate the storage format of the iris image. ISF format code 1 is designated for high resolution outputs. ISF level 2 is the format output in most commerical iris acquisition systems and corresponds to the dimensions of the Video Graphics Array (VGA).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	ISF = 1, 2, 3 or 7		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IRIS STORAGE FORMTA:
	  1 = Unconstrained
	  2 = Raw: 640x480
	  3 = Cropped
	  7 = Cropped and Masked		

Lower Eyelid Boundary

Field ID (Mnemonic)	17.036 (LEB)		
Description	This optional field defines the boundary between the lower eyelid and the eye.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Lower Eyelid Boundary

Boundary Code

Field ID (Mnemonic)	17.036_1 (BYC)		
Description	Defines the shape of a boundary of a feature within an image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	BYC = P; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BOUNDARY DEFINITION CODES:
	  C = Circle
	  E = Ellipse
	  P = Polygon		

Number of Points

Field ID (Mnemonic)	17.036_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Lower Eyelid Boundary

Horizontal Point Offset

Field ID (Mnemonic)	17.036_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Point Offset

Field ID (Mnemonic)	17.036_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Type-17 Iris Image Record

Make/Model/Serial Number

Field ID (Mnemonic)	17.019 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make

Field ID (Mnemonic)	17.019_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Make/Model/Serial Number

Model

Field ID (Mnemonic)	17.019_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Serial Number

Field ID (Mnemonic)	17.019_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Non-eyelid Occlusions

Type-17 Iris Image Record

Non-eyelid Occlusions

Field ID (Mnemonic)	17.037 (NEO)		
Description	This optional field defines the outline and contents of any non-eyelid occlusions that partially or totally blocks the image of the iris. It is a contour or a polygon.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Occlusion Opacity

Field ID (Mnemonic)	17.037_1 (OCY)		
Description	The first information item of the Occlusions (OCC) field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	OCY = T, I, L or S; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	OCCLUSION OPACITY CODES: T = (Total) There is no detail in the area of the occlusion. I = (Interference) The occlusion contains interfering texture such as eyelashes, hair or reflection. L = (Partial Light) There is detail in the area of the occlusion that is lighter than the rest of the face or iris. S = (Partial Shadow) There is detail in the area of the occlusion that is darker than the rest of the face or		

Type-17 Iris Image Record

Non-eyelid Occlusions

Occlusion Type

Field ID (Mnemonic)	17.037_2 (OCT)		
Description	The second information item of the OCCLUSIONS (OCC) field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	OCT = L, S, C, R or O; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	OCCLUSION CODES: L = Eyelashes or reflections of eyelashes (iris only) H = Hair, hat, veil, burka, or other head covering (face only) H = Hair, hat, veil, burka, or other head covering (face only) S = Specularity, reflection of light C = Shadow cast R = Reflection of an object		

Number of Points

Field ID (Mnemonic)	17.037_3 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Non-eyelid Occlusions

Horizontal Point Offset

Field ID (Mnemonic)	17.037_4 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Point Offset

Field ID (Mnemonic)	17.037_5 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Range

Type-17 Iris Image Record

Range

Field ID (Mnemonic)	17.040 (RAN)		
Description	This optional field contains the estimated distance from the lens of the camera to the iris. It shall be measured in centimeters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 7	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	17.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent on encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-17 Iris Image Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	17.029,038-039,042-199,901,903-992,994 ()		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rotation Angle of Eye

Field ID (Mnemonic)	17.014 (RAE)		
Description	This field shall indicate the rotation angle of the eye. For rectilinear images, rotation angle = round (65536 * angle / 360) modulo 65536. The angle is measured in degrees from horizontal to the interpupillary line. The value "FFFF" indicates rotation angle of eye is undefined.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 < RAE < FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Rotation Uncertainty

Type-17 Iris Image Record

Rotation Uncertainty

Field ID (Mnemonic)	17.015 (RAU)		
Description	This field shall indicate the rotation uncertainty. The rotation uncertainty is equal to [round (65536 * uncertainty / 180)]. The uncertainty is measured in degrees and is the absolute value of maximum error. The value "FFFF" indicates uncertainty is undefined.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 < RAE < FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Field ID (Mnemonic)	17.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= SLC <= 2; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	SCALE UNIT CODES: 1 = Pixels Per Inch 2 = Pixels Per Centimeter 0 = No Scale		

Scanned Horizontal Pixel Scale

Type-17 Iris Image Record

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	17.022 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	17.023 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Type-17 Iris Image Record

Source Agency

Field ID (Mnemonic)	17.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Field ID (Mnemonic)	17.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Type-17 Iris Image Record

Source Representation

Field ID (Mnemonic)	17.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Number

Field ID (Mnemonic)	17.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Source Representation

Reference Segment Position

Field ID (Mnemonic)	17.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Specified Spectrum Value

Field ID (Mnemonic)	17.027 (SSV)		
Description	This field shall only be present if Field 17.025: Effective acquisition spectrum / EAS has a value of 'DEFINED'. It is comprised of two information items: * The first information item is is spectrum lower bound / LOW. * The second information item is spectrum upper bound / HIG.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Specified Spectrum Value

Spectrum Lower Bound

Field ID (Mnemonic)	17.027_1 (LOW)		
Description	It is a three digit entry indicating the lower frequency bound in nm.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	500 <= LOW; positive integer evenly divisible by 10		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Spectrum Upper Bound

Field ID (Mnemonic)	17.027_2 (HIG)		
Description	It is a three digit entry indicating the upper frequency bound in nm.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	510 <= HIG; positive integer evenly divisible by 10		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Subject Acquisition Profile - IRIS

Type-17 Iris Image Record

Subject Acquisition Profile - IRIS

Field ID (Mnemonic)	17.031 (IAP)		
Description	This optional field lists the IAP level associated with the iris acquisition device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	IAP = 20, 30 or 40		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	17.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Type-17 Iris Image Record

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	17.010 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Upper Eyelid Boundary

Field ID (Mnemonic)	17.035 (UEB)		
Description	This optional field defines the boundary between the upper eyelid and the eye.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Upper Eyelid Boundary

Boundary Code

Field ID (Mnemonic)	17.035_1 (BYC)		
Description	Defines the shape of a boundary of a feature within an image.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	BYC = P; see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	BOUNDARY DEFINITION CODES:
	  C = Circle
	  E = Ellipse
	  P = Polygon		

Number of Points

Field ID (Mnemonic)	17.035_2 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-17 Iris Image Record

Upper Eyelid Boundary

Horizontal Point Offset

Field ID (Mnemonic)	17.035_3 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Point Offset

Field ID (Mnemonic)	17.035_4 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-17 Iris Image Record

User Defined Fields

Field ID (Mnemonic)	17.200 - 17.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Field ID (Mnemonic)	17.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-17)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Associated Context

Field ID (Mnemonic)	18.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Field ID (Mnemonic)	18.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Associated Context

Associated Segment Position

Field ID (Mnemonic)	18.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Autosomal STR, X-STR and Y-STR Profile

Field ID (Mnemonic)	18.016 (STR)		
Description	This optional field may be comprised of as many subfields as there are combinations of data type and locus type reported. This field is only present if Field 18.011: Sample typing Information / STI has a subfield with the value 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	13	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

DNA STR Type

Field ID (Mnemonic)	18.016_01 (DST)		
Description	The first information item is mandatory. It is the DNA STR type / DST.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	DST = 0, 1 or 2 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DNA STR CODES:
	  0 = Autosomal STR Profile
	  1 = X-STR Profile
	  2 = Y-STR Profile		

DNA Locus Reference

Field ID (Mnemonic)	18.016_02 (DLR)		
Description	The second information item is mandatory. It is the DNA locus reference / DLR. The current valid loci for Autosomal, Y and X-STRs are maintained by NIST and are available at http://www.nist.gov/itl/iad/ig/ansi_standard.cfm. This information item is an integer entry with up to 3 characters per locus.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= DLR <= 200 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Allele Indicator

Field ID (Mnemonic)	18.016_03 (ALL)		
Description	The third information item, allele indicator / ALL, is mandatory. It is a numeric entry containing a zero if no allele is found. Otherwise it is filled with a 1.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	ALL = 0 or 1 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Locus Analysis Indicator

Field ID (Mnemonic)	18.016_04 (LAI)		
Description	The fourth information item is mandatory. It is the locus analysis indicator / LAI. It is a numeric entry, containing a zero if not analyzed. Otherwise it contains a 1.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	LAI = 0 or 1 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Precise Call Determination

Field ID (Mnemonic)	18.016_05 (PCDT)		
Description	The fifth information item is mandatory. It is the precise call determination / PCDT. It is a numeric entry containing a zero if the precise call cannot be determined, due to an uncertainty in the call. Otherwise it contains a 1.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	PCDT = 0 or 1 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Allele Call 1

Field ID (Mnemonic)	18.016_06 (AL1)		
Description	The sixth information item is conditional upon the value of ALL being 1. It is the allele call 1 / AL1. This is the allele call for the locus reference DLR. It contains up to 4 characters, such as "11" or "23.3"		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	integer > 0; or real number with one digit to right of decimal		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Allele Call 2

Field ID (Mnemonic)	18.016_07 (AL2)		
Description	The seventh information item is conditional upon the value of ALL being 1. It is the allele call 2 / AL2. This is the allele call for the locus reference DLR. It contains up to 4 characters, such as "11" or "23.3" It shall appear if AL1 is used.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	integer > 0; or real number with one digit to right of decimal		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Allele Call 3

Field ID (Mnemonic)	18.016_08 (AL3)		
Description	The eighth information item is optional but shall not appear unless ALL = 1. It is the allele call 3 / AL3. This is the allele call for the locus reference DLR. It contains up to 4 characters, such as "11" or "23.3". This is not used for mixtures, but is for the rare case of a tri-allele. The information item allele call 3 / AL3 shall only appear if information items AL1 and AL2 are present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	integer > 0; or real number with one digit to right of decimal		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Batch ID

Field ID (Mnemonic)	18.016_09 (BID)		
Description	The ninth information item is the batch ID / BID. This optional information item shall contain an identifier for the batch to which a locus belongs. This may be referred to as the gel or place identifier. A specimen may have loci from multiple batches. The BID shall be an alphanumeric string up to 32 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 32	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electropherogram Cross Reference

Field ID (Mnemonic)	18.016_10 (ECR)		
Description	The tenth information item is optional. It is called the electropherogram cross reference / ECR and has the same value as the electropherogram image reference / EIR from the appropriate subfield of Field 18.019: Electropherogram description / EPD that is associated with the information in this field and particular subfield instance (if there is such an electropherogram present in this instance of the record).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Ladder Cross Reference

Field ID (Mnemonic)	18.016_11 (LCR)		
Description	The eleventh information item is optional. It is called the ladder cross reference / LCR and has the same value as the ladder image reference / LIR from the appropriate subfield of Field 18.023: Electropherogram ladder / EPL that is associated with the information in this field and particular subfield instance (if there is such a ladder present in this instance of the record).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Kit ID

Field ID (Mnemonic)	18.016_12 (KID)		
Description	The tenth information item is the kit ID / KID. This mandatory information item contains information describing the kit used to process the DNA. It is comprised of three mandatory information items. The values for these entries are contained in the list of kits maintained by NIST and is available at: http://www.nist.gov/itl/iad/ig/ansi_standard.cfm. This information item's data shall describe a Kit aligned with the DNA Profile data in this record. If a nonlisted kit is used, then the eleventh, twelfth and thirteenth information items are mandatory and the KID value shall be "Non-listed kit".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= KID <= 999; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DNA KIT ID LIST (NORMATIVE): http://www.nist.gov/itl/iad/ig/ansi_standard.cfm = DNA kit ID list (Normative) information		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Kit Name

Field ID (Mnemonic)	18.016_13 (KNM)		
Description	The eleventh information item is the kit name / KNM. This is an alphanumeric value of up to 32 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 32	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Manufacturer

Field ID (Mnemonic)	18.016_14 (KMF)		
Description	The twelfth information item is the manufacturer / KMF. This is an alphanumeric value of up to 32 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 32	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Autosomal STR, X-STR and Y-STR Profile

Description of the Kit (with part or catalog number)

Field ID (Mnemonic)	18.016_15 (KDS)		
Description	The thirteenth information item is the description of the kit (with part or catalog number) / KDS. This is an alphanumeric value of up to 128 characters, with special characters allowed (ANS).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 128	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Claimed Or Purported Relationship

Field ID (Mnemonic)	18.007 (COPR)		
Description	This field is mandatory if the value for [DNA Sample Donor / DSD] is equal to 1 [Claimed, purported or validated relative]. It is selected from [Table 76 Relationship Table]. It is a numeric value selected from the "Relationship code" column.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= COPR <= 7 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	RELATIONSHIP CODES: 1 = Biological Child 2 = Biological Father 3 = Biological Mother 4 = Biological Sibling 5 = Maternal Relative 6 = Paternal Relative 7 = Other / Unknown		

Comment

Type-18 DNA Record

Comment

Field ID (Mnemonic)	18.022 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DNA Genotype Allele Pair

Field ID (Mnemonic)	18.021 (GAP)		
Description	This field is only present if Field 18.020: DNA Genotype Distribution / DGD has a value. It is used for low-template, mixture or stain scenarios only. It is comprised of a repeating subfield that occurs once for each allele pair. Allele calls are captured in Field 18.016: Autosomal STR, X-STR and Y-STR profile / STR.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

DNA Genotype Allele Pair

Genotype Locus Reference

Field ID (Mnemonic)	18.021_1 (GLR)		
Description	The first information item is the genotype locus reference / GLR. The current valid loci for Autosomal, Y and X-STRs are maintained by NIST and are available at http://www.nist.gov/itl/iad/ig/ansi_standard.cfm . The GLR is a numeric entry with up to 3 characters per locus.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= GLR <= 200; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DNA LOCI (NORMATIVE) AT LINK: http://www.nist.gov/itl/iad/ig/ansi_standard.cfm = DNA Loci (Normative) information		

Allele Pair

Field ID (Mnemonic)	18.021_2 (ALP)		
Description	The second information item is the allele pair / ALP. This is a numeric information item containing the allele pair data of up to 9 numeric characters separated by a comma between values. An example is "14,23.3" or "22.1,23.3"		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 20	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

DNA Genotype Allele Pair

Genotype Numerical Weight

Field ID (Mnemonic)	18.021_3 (GNW)		
Description	The third information item is the genotype numerical weight / GNW. It is a non-negative real number up to 5 characters ranging from 0 to 1. An example is "0.114".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Period		
Value Constraints	0 <= GNW <=1; non-negative real number up to 5 characters, which may have a period		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DNA Genotype Distribution

Field ID (Mnemonic)	18.020 (DGD)		
Description	This field contains informative genotype representation type of DNA information. It is an optional field. The entry is numeric: 0 = Likelihood 1 = Probability		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	DGD = 0 or 1 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DNA GENOTYPE DISTRIBUTION CODES: 　0 = Likelihood 　1 = Probability		

DNA Laboratory Setting

Type-18 DNA Record

DNA Laboratory Setting

Field ID (Mnemonic)	18.003 (DLS)		
Description	This field is mandatory. The first information item is mandatory. The remaining information items are optional for all unit types.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Unit Type

Field ID (Mnemonic)	18.003_1 (UTY)		
Description	The first information item unit type / UTY is mandatory and contains a numeric value.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= UTY <= 4 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DNA LABORATORY SETTING:
	  1 = Laboratory DNA processing unit
	  2 = Rapid DNA / mobile processing unit
	  3 = Other
	  4 = Unknown		

Type-18 DNA Record

DNA Laboratory Setting

Lab Type

Field ID (Mnemonic)	18.003_2 (LTY)		
Description	The second information item is the lab type / LTY. It is mandatory if the value for UTY is 1 or 2. It is not entered otherwise. When present, this information item contains a single character describing the laboratory that processed the DNA.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	LTY = G, I, O or U		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	LAB CODES:
	  G = Government
	  I = Industry
	  O = Other Laboratory
	  U = Unknown		

Type-18 DNA Record

DNA Laboratory Setting

Accreditation Information

Field ID (Mnemonic)	18.003_3 (ACC)		
Description	The third information item is the accreditation status / AFG. It is mandatory if the value for UTY is 1 or 2. It shall not be entered otherwise. When present, this information item shall contain a minimum of one numeric character if the value is 0 or a minimum of two characters (one numeric followed immediately by one alpha character if the lab is accredited). If the laboratory has an unknown accreditation status, three numeric characters '255' are entered. The value indicates the accreditation and scope describing the laboratory that processed the DNA and the scope of their accreditation respectively. The values in this information item shall be separated individually by commas between accreditation and scope pairings. More than one certification flag and scope of accreditation is permitted. The scope of accreditation is incorporated as values immediately following each of those identified in the record in the value of the third information item. The scope of accreditation is for what DNA technology the laboratory is accredited.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 35	**DoD EBTS 3.0**	Yes
Char Types	ANS		
Special Chars	Comma		
Value Constraints	Numeric (0,1,2,3,4,5,6 or 255). It may be followed by an alpha string (N, M, D and/or O). That may be followed by up to 5 more such strings, each separated by a comma. The entire string is treated as a single information item.		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ACCREDITATION STATUS CODES: 0 = No Accreditation 1 = ISO Accreditation 2 = GLP Accreditation 3 = AABB Accreditation 4 = ISO/ILAC Guide 19 Accreditation 5 = ASCLD Lab Accreditation 6 = Other 255 = Unknown DNA SCOPE CODES: N = Nuclear M = Mitochondrial D = Database O = Other		

Type-18 DNA Record

DNA Laboratory Setting

Name of the Organization

Field ID (Mnemonic)	18.003_4 (NOO)		
Description	The fourth information item is the name of the organization / NOO that originally processed the DNA data (This may be different from the entry in Field 18.004: Originating agency / ORG . This is an optional information item that may be up to 100 alphanumeric characters in length.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Point of Contact

Field ID (Mnemonic)	18.003_5 (POC)		
Description	The fifth information item is the point of contact / POC who composed the DNA record metadata. This is an optional information item that could include the name, telephone number and e-mail address of the person responsible for this record submission. This information item may be up to 200 alphanumeric characters in length.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

DNA Laboratory Setting

Code of Sending Country

Field ID (Mnemonic)	18.003_6 (CSC)		
Description	The sixth information item is the ISO-3166-1 code of the sending country or sub-country / CSC. This is the code of where the DNA was processed -- not necessarily the nation of the agency entered in Field 18.004: Originating agency / ORG . This is an optional information item. All three formats are allowed (Alpha2, Alpha3 and Numeric). A country code is either 2 or 3 characters long.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Value from ISO-3166-1		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	ISO-3166-1 ALPHA3 CODES: ISO-3166-1 Alpha3 Country Codes = (http://metadata.ces.mil/mdr/ns/GPAS/codelist/iso3166-1/trigraph)		

International Organization Name

Field ID (Mnemonic)	18.003_7 (ION)		
Description	The seventh information item is the international organization name / ION of the submitting organization. This is completed if record is not affiliated specifically with a country listed in the seventh information item. This optional information item is the name/acronym of organizations, and may be up to 100 alphanumeric and special characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DNA Profile Data

Type-18 DNA Record

DNA Profile Data

Field ID (Mnemonic)	18.015 (DPD)		
Description	This is a mandatory field. It contains information and structure associated with the DNA profile data.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Profile Type

Field ID (Mnemonic)	18.015_1 (PTP)		
Description	The first information item is mandatory. It is the profile type / PTP. It is a numerical value. Allowable values are 0 = Person or 1 = Stain.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	PTP = 0 or 1 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	PROFILE CODES:
	  0 = Person
	  1 = Stain		

Type-18 DNA Record

DNA Profile Data

Result

Field ID (Mnemonic)	18.015_2 (RES)		
Description	The second information item is optional and is the result / RES. It is entered with a numeric value selected from Table 78 [DNA Result Codes].		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= RES <= 10 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	DNA RESULT CODES: 0 = Unable to process 1 = No hit 2 = Hit 3 = Hit, high/exact 4 = Hit, moderate 5 = Hit, low 6 = Additional Results/Details 7 = User defined 2 8 = User defined 3 9 = User defined 4 10 = User defined 5		

Profile ID

Field ID (Mnemonic)	18.015_3 (PRF)		
Description	The third information item is mandatory and is the profile ID / PRF. It is a character string with a unique party identification. This information item is used to uniquely identify the profile or sample for which the transaction is based. It is a maximum of 64 alphanumeric characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

DNA Profile Data

Supplemental Message

Field ID (Mnemonic)	18.015_4 (SUP)		
Description	The optional fourth information item is a supplemental message / SUP. This information item states if this transaction is a supplemental message to a previous transmission. It is an alphanumeric string containing up to 100 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DNA Profile Comment

Field ID (Mnemonic)	18.015_5 (DPC)		
Description	The optional fifth information item is a DNA profile comment / DPC. It is an alphanumeric string containing up to 100 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 100	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

DNA User-Defined Profile

Type-18 DNA Record

DNA User-Defined Profile

Field ID (Mnemonic)	18.018 (UDP)		
Description	This optional field is user-defined, when data other than Autosomal STR, X-STR, Y-STR, mtDNA or an electropherogram is included as part of the transaction. The sender shall provide the receiver with a description of the field contents. This field is only present if Field 18.011: Sample typing Information / STI has a subfield with the value 4.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electropherogram Description

Field ID (Mnemonic)	18.019 (EPD)		
Description	This optional field contains a subfield for each electropherogram. This field is only present if Field 18.011: Sample typing Information / STI has a subfield with value 2.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Description

Electropherogram Image Reference

Field ID (Mnemonic)	18.019_1 (EIR)		
Description	The first information item is the electropherogram image reference / EIR. It shall contain an alphanumeric reference up to 8 characters, which is unique for each image. If none has been assigned, enter 999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	If none assigned enter 999		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electropherogram Storage Type

Field ID (Mnemonic)	18.019_2 (EST)		
Description	The second information item is the electropherogram storage type / EST. This is a character string of up to 4 characters, representing the file type suffix for the electropherogram. The data is stored in "fsa", "hid" or "----" The dashes may be substituted with character strings for other format types as they become available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	"fsa", "hid" or "----", dashes may be substituted with character strings for other format types as they become available.		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Description

Image Data Descriptor

Field ID (Mnemonic)	18.019_3 (IDD)		
Description	The third information item is the image data descriptor / IDD of the electropherogram contained in this subfield. If the data is stored externally, enter the filename. This is an alphanumeric string with special characters allowed.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electropherogram Data

Field ID (Mnemonic)	18.019_4 (ELPD)		
Description	The fourth information item is the electropherogram data/ ELPD. This shall be stored in base-64 format.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to -	DoD EBTS 3.0	Yes
Char Types	Base64		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Description

Electropherogram Screenshot

Field ID (Mnemonic)	18.019_5 (EPS)		
Description	The fifth information item is optional. It is the electropherogram screenshot / EPS. This may be an image captured during the analysis. This shall be stored in base-64 format.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to -	DoD EBTS 3.0	Yes
Char Types	Base64		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Electropherogram Ladder

Field ID (Mnemonic)	18.023 (EPL)		
Description	This optional field contains a repeating subfield for a ladder / control sample. This field is only present if Field 18.011: Sample typing Information / STI has a subfield with the value 3.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Ladder

Ladder Image Reference

Field ID (Mnemonic)	18.023_1 (LIR)		
Description	The first information item is the ladder image reference / LIR. It shall contain an alphanumeric reference up to 8 characters, which is unique for each image. If none has been assigned, enter 999. This is a unique identifier.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Ladder Storage Type

Field ID (Mnemonic)	18.023_2 (LST)		
Description	The second information item is the ladder storage type / LST. This is a string of up to 4 characters, representing the file type suffix for the electropherogram. The data is stored in "fsa", "hid" or "----" The dashes may be substituted with character strings for other format types as they become available.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Ladder

Ladder Image Data Descriptor

Field ID (Mnemonic)	18.023_3 (LDD)		
Description	The third information item is the ladder image data descriptor / LDD of the electropherogram contained in this subfield. If the data is stored externally, enter the filename. This is an alphanumeric string with special characters allowed. An example is "NIST Run 5 Well A07 12 Jan 11"		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Ladder Electropherogram Data

Field ID (Mnemonic)	18.023_4 (LEPD)		
Description	The fourth information item is the ladder electropherogram data/ LEPD. This shall be stored in base-64 format.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to -	DoD EBTS 3.0	Yes
Char Types	Base64		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Electropherogram Ladder

Ladder Electropherogram Screenshot

Field ID (Mnemonic)	18.023_5 (LES)		
Description	The fifth information item is optional. It is the ladder electropherogram screenshot / LES. This may be an image captured during the analysis. This shall be stored in base-64 format.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to -	DoD EBTS 3.0	Yes
Char Types	Base64		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	18.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	18.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	18.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	18.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	18.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	18.998_05 (LGD)		
Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples: Buenos Aires, Argentina: -58 (with minutes LGM = 22) NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	18.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	18.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	18.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	18.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-18 DNA Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	18.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	18.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	18.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	18.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	18.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	18.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Information Designation Character

Field ID (Mnemonic)	18.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Mitochondrial DNA Data

Type-18 DNA Record

Mitochondrial DNA Data

Field ID (Mnemonic)	18.017 (DMD)
Description	To accommodate the differences in how mtDNA types are derived (differences from reference), the interpretation issue is avoided in this standard by dividing the control region into 2 regions (even though HV3 exists) to ensure any insertions / deletions/ Cstretches are included. This method enables any receiver of the data to use it in a way to which they are accustomed (either using the full sequence or interpreting the full sequence according to their own methodology). The resultant data use would then be fully consistent with the receiver's database and enable processing. This is an optional field, but if it is entered, all information items are mandatory. This field is only present if Field 18.011: Sample typing Information / STI has a subfield with the value 1.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	8	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Mitochondrial DNA Data

Mito Control Region 1

Field ID (Mnemonic)	18.017_1 (MT1)
Description	The first information item is the mito control region 1 / MT1. It is defined as inclusive of HV1, starting at 16024 and ending at 16569. The string shall be 646 characters. This string length allows for insertions. Each character is an IUPAC value from Table 79 or a sequence value: A, G, C or T.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	546 to 646	**DoD EBTS 3.0**	Yes
Char Types	AS		
Special Chars	Comma		
Value Constraints	character string from Lookup Codes or a sequence value: A, G, C or T		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DNA SEQUENCE VALUE:
	  A = A
	  G = G
	  C = C
	  T = T
	IUPAC DNA CODES:
	  R = G, A
	  Y = T, C
	  M = A, C
	  K = G, T
	  S = G, C
	  W = A, T
	  H = A, C, T
	  B = G, T, C
	  V = G, C, A
	  D = G, A, T
	  N = G, A, T, C
	  - = Deletion		

Type-18 DNA Record

Mitochondrial DNA Data

Mito Control Region 2

Field ID (Mnemonic)	18.017_2 (MT2)		
Description	The second information item is the mito control region 2 / MT2 is defined as inclusive of HV2 and HV3, starting at 1 and ending at 576. Each character is an IUPAC value from Table 79.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	576 to 976	DoD EBTS 3.0	Yes
Char Types	AS		
Special Chars	Comma		
Value Constraints	character string from Lookup Codes or a sequence value: A, G, C or T		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IUPAC DNA CODES:
	  R = G, A
	  Y = T, C
	  M = A, C
	  K = G, T
	  S = G, C
	  W = A, T
	  H = A, C, T
	  B = G, T, C
	  V = G, C, A
	  D = G, A, T
	  N = G, A, T, C
	  - = Deletion		

Base Composition Starting Point

Field ID (Mnemonic)	18.017_3 (BSP)		
Description	The third information item is the base composition starting point / BSP. This entry is numeric, up to 5 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Mitochondrial DNA Data

Base Composition Ending Point

Field ID (Mnemonic)	18.017_4 (BEP)		
Description	The fourth information item is the base composition ending point / BEP. This entry is numeric, up to 5 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer; BEP > BSP		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Base Composition A Length

Field ID (Mnemonic)	18.017_5 (BCA)		
Description	The fifth information item is the base composition A length / BCA. It is a numerical value of two digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Mitochondrial DNA Data

Base Composition G Length

Field ID (Mnemonic)	18.017_6 (BCG)		
Description	The sixth information item is the base composition G length / BCG. It is a numerical value of two digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Base Composition C Length

Field ID (Mnemonic)	18.017_7 (BCC)		
Description	The seventh information item is the base composition C length / BCC. It is a numerical value of two digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Mitochondrial DNA Data

Base Composition T Length

Field ID (Mnemonic)	18.017_8 (BCT)		
Description	The eighth information item is the base composition T length / BCT. It is a numerical value of two digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Number of Analysis Flag

Field ID (Mnemonic)	18.005 (NAL)		
Description	This mandatory field indicates whether the DNA record contains multiple or single data analyses.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	NAL = 0 or 1		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	NUMBER OF ANALYSIS CODE:
	  0 = Multiple
	  1 = Single		

Pedigree Information

Type-18 DNA Record

Pedigree Information

Field ID (Mnemonic)	18.009 (PED)		
Description	This optional field contains information and structure associated with the pedigree.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	7	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pedigree ID

Field ID (Mnemonic)	18.009_1 (PID)		
Description	The first information item is the pedigree ID / PID. It is an character string of up to 24 characters that is alphanumeric and allows special characters. It is mandatory if this field is used and it indicates the identity of the pedigree determined and held at the laboratory that originates the pedigree.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 24	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Pedigree Information

Pedigree Member ID

Field ID (Mnemonic)	18.009_2 (PMI)		
Description	The second information item is the pedigree member ID / PMI. It is a unique reference within the pedigree. It is mandatory if this field is used. This information item refers to the subject of the transaction. It is an alphanumeric of up to 6 characters. This information item shall also provide the ability to link pedigree information.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pedigree Member Status

Field ID (Mnemonic)	18.009_3 (PMS)		
Description	The third information item is the pedigree member status / PMS. It is mandatory if this field is used. It is a single-character. [This information item refers to DNA associated with this record]		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	PMS = K or U		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	PEDIGREE MEMBER STATUS CODES:
	  K = Known
	  U = Unknown		

Type-18 DNA Record

Pedigree Information

Sample Identifier

Field ID (Mnemonic)	18.009_4 (SID)		
Description	The fourth information item is the DNA sample identifier / SID for the transaction. It is not an identifier within the pedigree chain, unlike the following two identifiers or the PID. It is a character string of 24 characters or less. This information item relates the sample in this record to the pedigree.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 24	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Father Identifier

Field ID (Mnemonic)	18.009_5 (FID)		
Description	The fifth information item is the father identifier / FID. It is optional and is a numeric value of 3 digits or less that is unique within the pedigree. This information item is the father identified as related to the sample indicated in the PMI item.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Pedigree Information

Mother Identifier

Field ID (Mnemonic)	18.009_6 (MID)		
Description	The sixth information item is the mother identifier / MID. It is optional and is a numeric value of 3 digits or less that is unique within the pedigree. This information item is the mother identified as related to the sample indicated in the PMI item.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Pedigree Comment

Field ID (Mnemonic)	18.009_7 (PCM)		
Description	The seventh optional information item is the pedigree comment / PCM. It is alphanumeric (up to 2000 characters).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Profile Storage Date

Type-18 DNA Record

Profile Storage Date

Field ID (Mnemonic)	18.014 (PSD)		
Description	This mandatory field contains date and time the sample was collected. See [ANSI/NIST ITL 1-2011] Section 7.7.2.2 [Coordinated universal time for details.]		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Description points to 7.7.2.2 YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours format. Consider naming as "PROFILE STORAGE DATETIME".		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	18.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent on encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-18 DNA Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	18.024-199,901,903-992,994,996-997,999		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sample Collection Date

Field ID (Mnemonic)	18.013 (SCD)		
Description	This mandatory field contains the date and time that the sample was collected. See [ANSI/NIST ITL 1-2011] Section 7.7.2.2 Coordinated universal time for details.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Description points to 7.7.2.2 YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours format. Consider naming as "Sample Collection DateTime"		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sample Collection Method

Type-18 DNA Record

Sample Collection Method

Field ID (Mnemonic)	18.012 (SCM)		
Description	This field contains a description of the method used to collect the DNA sample. It is a character string up to 255 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sample Donor Information

Field ID (Mnemonic)	18.006 (SDI)		
Description	This field is mandatory. It indicates if the DNA information is from the subject described in Record Type-2 or if it is from another person. Note that multiple Type-18 records may be included in a single transaction; only one record may have a value of 0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	8	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Sample Donor Information

DNA Sample Donor

Field ID (Mnemonic)	18.006_1 (DSD)		
Description	The allowed numeric values for the first mandatory information item DNA sample donor / DSD.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	DSD = 0, 1 or 2		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DNA SAMPLE DONOR CODE:
	  0 = Subject of the transaction
	  1 = Claimed, purported or validated relative
	  2 = Unknown source		

Gender ID

Field ID (Mnemonic)	18.006_2 (GID)		
Description	The second information item is the gender ID / GID. This is an optional single character identifier of "M" or "F" or "U". "U" indicates unknown.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 1	**DoD EBTS 3.0**	Yes
Char Types	A		
Special Chars	None		
Value Constraints	GID = M, F or U		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	GENDER CODES:
	  M = Male
	  F = Female
	  U = Unknown		

Type-18 DNA Record

Sample Donor Information

Date of Last Contact

Field ID (Mnemonic)	18.006_3 (DLC)		
Description	The third information item, date of last contact / DLC is an optional date field. The local date is recorded as YYYYMMDD. Note that this may be a different date than the corresponding GMT, due to time zone differences.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Description points to 7.7.2.3 YYYYMMDD format		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Donor Date of Birth

Field ID (Mnemonic)	18.006_4 (DOB)		
Description	The fourth information item, date of birth / DOB, is an optional date field. The local date is recorded as YYYYMMDD. Note that this may be a different date than the corresponding GMT, due to time zone differences.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Description points to 7.7.2.3 YYYYMMDD format		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-18 DNA Record

Sample Donor Information

Ethnic Group

Field ID (Mnemonic)	18.006_5 (EGP)		
Description	The fifth information item is the ethnic group / EGP. It is an optional string of 50 alphanumeric and special characters used to describe the ethnic group to which the subject belongs.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Dental Records Available

Field ID (Mnemonic)	18.006_6 (DRA)		
Description	The sixth information item is optional and indicates if dental records are available for the subject (dental records available / DRA). This information item shall be entered only if DSD=0.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	DRA = 0, 1 or 2 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DENTAL RECORD AVAILABLE INDICATION CODES:
	  0 = No
	  1 = Yes
	  2 = Unknown		

Type-18 DNA Record

Sample Donor Information

Sample Collection Location Description

Field ID (Mnemonic)	18.006_7 (LLC)		
Description	The seventh optional information item is the sample collection location description / LLC. It is an optional string of up to 4000 alphanumeric and special characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 4,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sample Donor Status

Field ID (Mnemonic)	18.006_8 (SDS)		
Description	The eighth optional information item is the sample donor status / SDS. This information item will include whether or not the sample donor is deceased, missing or unknown.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	SDS = 0, 1 or 2 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SAMPLE DONOR STATUS CODE:
	  0 = Deceased
	  1 = Missing Person
	  2 = Unknown		

Sample Type

Type-18 DNA Record

Sample Type

Field ID (Mnemonic)	18.010 (STY)		
Description	This mandatory field contains two information items. The first represents the origination cell type from where the sample was collected (sample cellular type / SCT). The second information item is the sample origin / SMO. It is an optional item of a string of 2 characters describing where the sample was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Sample Cellular Type

Field ID (Mnemonic)	18.010_1 (SCT)		
Description	The first [information item] represents the origination cell type from where the sample was collected (sample cellular type / SCT). It is mandatory and shall contain a numeric value selected from the 'Cellular code' column of Table 77.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= STY <= 11 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	DNA SAMPLE CELLULAR CODES:
	  0 = Blood
	  1 = Bone
	  2 = Co-mingled Biological Material
	  3 = Hair
	  4 = Saliva
	  5 = Semen
	  6 = Skin
	  7 = Sweat or Fingerprint
	  8 = Tissue
	  9 = Tooth
	  10 = Other
	  11 = Unknown		

Type-18 DNA Record

Sample Type

Sample Origin

Field ID (Mnemonic)	18.010_2 (SMO)		
Description	The second information item is the sample origin / SMO. It is an optional item of a string of 2 characters describing where the sample was obtained.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 2	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	SMO = NS, WB or BP		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SAMPLE ORIGIN CODES:
	  NS = Not Specific
	  WB = Whole Body
	  BP = Body Part		

Sample Typing Information

Field ID (Mnemonic)	18.011 (STI)		
Description	This mandatory field represents the technology utilized to type the DNA sample. A repeating subfield with the following information item shall comprise this field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SAMPLE TYPING AVAILABILITY CODES:
	  0 = Nuclear (indicates presence of Field 18.016: Autosomal STR, X-STR and YSTR profile / STR)
	  1 = mtDNA (indicates presence of Field 18.017: Mitochondrial DNA data / DMD)
	  2 = electropherogram data (indicates presence of Field 18.019: Electropherogram description / EPD)
	  3 = lectropherogram ladder (indicates presence of Field 18.023: Electropherogram ladder / EPL)
	  4 = user-defined profile (indicates the presence of Field 18.018: DNA userdefined profile / UDP)		

Source Agency

Type-18 DNA Record

Source Agency

Field ID (Mnemonic)	18.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Field ID (Mnemonic)	18.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-18 DNA Record

User Defined Fields

Field ID (Mnemonic)	18.200-18.900,901 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Validated Relationship

Field ID (Mnemonic)	18.008 (VRS)		
Description	This field is optional and is a numeric value selected from the "Relationship Code" column of Table 76 [Relationship Table]. This information item is completed based upon a comparison of the subject's DNA with the DNA of the person with whom the relationship is claimed or purported. It is only filled in if [Donor Status Description] DSD = 1 [Claimed or Purported Relationship].		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-18)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= VRS <= 7 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	RELATIONSHIP CODES:
	  1 = Biological Child
	  2 = Biological Father
	  3 = Biological Mother
	  4 = Biological Sibling
	  5 = Maternal Relative
	  6 = Paternal Relative
	  7 = Other / Unknown		

Type-20 Source Representation Record

Acquisition Source

Field ID (Mnemonic)	20.014 (AQS)		
Description	This mandatory field shall specify and describe the acquisition source. The information items may be repeated for up to 9 sources.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Acquisition Source

Acquisition Source Type

Field ID (Mnemonic)	20.014_1 (AQT)
Description	The first information item, Acquisition source type / AQT, is mandatory and it shall be a numeric entry selected from the "attribute code' column of ANSI/NIST-ITL 1-2011(Table 83) Acquisition source.
Remarks	n/a

Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 2	**DoD EBTS 3.0**	Yes

Char Types	N
Special Chars	None
Value Constraints	Value from ANSI/NIST ITL 1-2011 (Table 83) Acquisition source
Legacy Derivable	n/a
Deprecated By	n/a
Sunset Reason	n/a
Look Up Codes	ACQUISITION SOURCE: 0 = Unspecified or unknown 1 = Static digital image from an unknown source 2 = Static digital image from a digital still-image camera 3 = Static digital image from a scanner 4 = Single video frame from an unknown source 5 = Single video frame from an analog video camera 6 = Single video frame from a digital video camera 7 = Video sequence from an unknown source 8 = Video sequence from an analog video camera, stored in analog format 9 = Video sequence from an analog video camera, stored in digital format 10 = Video sequence frame from a digital video camera 11 = Computer screen image capture 12 = Analog audio recording device; stored in analog form (such as a phonograph record) 13 = Analog audio recording device; converted to digital 14 = Digital audio recording device 15 = Landline telephone – both sender and receiver 16 = Mobile telephone – both sender and receiver 17 = Satellite telephone – both sender and receiver 18 = Telephone – unknown or mixed sources 19 = Television – NSTC 20 = Television – PAL 21 = Television - Other 22 = Voice-over-internet protocol (VOIP) 23 = Radio transmission: short-wave (specify single side band or continuous wave in FDN) 24 = Radio transmission: amateur radio (specify lower side band or continuous wave in FDN) 25 = Radio transmission: FM (87.5 MHz to 108 MHz) 26 = Radio transmission: long-wave (150 kHz to 519 kHz) 27 = Radio transmission: AM (570 kHz to 1720 kHz) 28 = Radio transmission: Aircraft frequencies 29 = Radio transmission: Ship and coastal station frequencies 30 = Vendor specific capture format 31 = Other

Type-20 Source Representation Record

Acquisition Source

Analog to Digital Conversion

Field ID (Mnemonic)	20.014_2 (A2D)		
Description	The second information item is mandatory if the acquisition source is analog, and the data is stored in digital format. It is a text field, analog to digital conversion / A2D, that describes the analog to digital equipment used to store a representation of the source. This field should address parameters used, such as sample rate, if known.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Radio Transmission Format Description

Field ID (Mnemonic)	20.014_3 (FDN)		
Description	The third information item is mandatory if the AQT is 23 or 24. It is a text field, radio transmission format description / FDN. It is optional for other radio transmission codes.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Acquisition Source

Acquisition Special Characteristics

Field ID (Mnemonic)	20.014_4 (AQSC)		
Description	The fourth information item is optional. It is a free text field, acquisition special characteristics / AQSC that is used to describe any specific conditions not mentioned in the [Acquisition Source] table. An example would be a near-infrared camera outputting images in visible wavelengths.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Annotated Information

Field ID (Mnemonic)	20.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Annotated Information

Greenwich Mean Time

Field ID (Mnemonic)	20.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Processing Algorithm Name / Version

Field ID (Mnemonic)	20.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Annotated Information

Algorithm Owner

Field ID (Mnemonic)	20.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Process Description

Field ID (Mnemonic)	20.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Type-20 Source Representation Record

Associated Context

Field ID (Mnemonic)	20.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	2	**DoD EBTS 2.0**	No
Num Chars	n/a	**DoD EBTS 3.0**	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Field ID (Mnemonic)	20.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 3	**DoD EBTS 3.0**	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Associated Context

Associated Segment Position

Field ID (Mnemonic)	20.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Bits Per Pixel

Field ID (Mnemonic)	20.012 (BPX)		
Description	This ASCII field shall contain the number of bits used to represent a pixel. This field shall contain an entry of "8" for normal grayscale values of "0" to "255" or each RGB color component. Any entry in this field greater than "8" shall represent a grayscale or color pixel component with increased precision.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Color Space

Type-20 Source Representation Record

Color Space

Field ID (Mnemonic)	20.013 (CSP)		
Description	It shall contain an entry from the lookup codes below.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 4	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	Value from Color Space Type		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	COLOR SPACE CODES:
	  UNK = Undefined
	  GRAY = Grayscale (monochrome)
	  RGB = Undetermined color space for an RGB image
	  SRGB = SRGB (IEC 61966-2-1)
	  YCC = YCbCr (legacy)
	  SYCC = YCbCr (JPEG 2000 compressed)		

Comment

Field ID (Mnemonic)	20.020 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Compression Algorithm

Type-20 Source Representation Record

Compression Algorithm

Field ID (Mnemonic)	20.011 (CGA)		
Description	This is a mandatory field. It shall specify the algorithm used to compress the transmitted color or grayscale images.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 5	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	value from Image Compression Algorithm Type		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IMAGE COMPRESSION ALGORITHM CODES:
	  NONE = Uncompressed
	  WSQ20 = WSQ Version 2.0
	  JPEGB = JPEG ISO/IEC 10918 (Lossy)
	  JPEGL = JPEG ISO/IEC 10918 (Lossless)
	  JP2 = JPEG 2000 ISO/IEC 15444-1 (Lossy)
	  JP2L = JPEG 2000 ISO/IEC 15444-1 (Lossless)
	  PNG = Portable Network Graphics		

Device Unique Identifier

Field ID (Mnemonic)	20.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

External File Reference

Type-20 Source Representation Record

External File Reference

Field ID (Mnemonic)	20.994 (EFR)		
Description	This conditional field shall be used to enter the URL / URI or other unique reference to a storage location for all associated context files EXCEPT 2D still images. If this field is used, Field 21.999: Associated context data / DATA shall not be set. However, one of the two fields shall be present in all instances of this record type. It is an alphanumeric entry, with special characters allowed. A non-URL reference might be similar to: "Case 2009:1468 AV Tape 5".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	20.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	20.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	20.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	20.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	20.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	20.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	20.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	20.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	20.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	20.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	20.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	2 to 3	**DoD EBTS 3.0**	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	20.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	20.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	20.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	20.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	20.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	20.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Hash

Horizontal Line Length

Field ID (Mnemonic)	20.006 (HLL)		
Description	HLL defines the number of pixels contained on a single horizontal line of the image. The maximum horizontal size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels. The total image size (HLL times VLL) must be able to be accommodated in Field xx.001 for Traditional encoding.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= HLL <= 99999 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Information Designation Character

Field ID (Mnemonic)	20.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Type-20 Source Representation Record

Make/Model/Serial Number

Field ID (Mnemonic)	20.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make

Field ID (Mnemonic)	20.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Make/Model/Serial Number

Model

Field ID (Mnemonic)	20.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Serial Number

Field ID (Mnemonic)	20.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Type-20 Source Representation Record

Record Header

Field ID (Mnemonic)	20.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	20.022-099,901,905-992,997 ()		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	Not Used		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scale Units

Type-20 Source Representation Record

Scale Units

Field ID (Mnemonic)	20.008 (SLC)		
Description	The image sampling frequency (pixel density). A value of "1" shall indicate pixels per inch. A value of "2" shall indicate pixels per centimeter. A value of "0" in this field indicates that no scale is provided, and the quotient of THPS/TVPS shall provide the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	SLC = 0, 1 or 2 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	SCALE UNIT CODES:
	  1 = Pixels Per Inch
	  2 = Pixels Per Centimeter
	  0 = No Scale		

Scanned Horizontal Pixel Scale

Field ID (Mnemonic)	20.017 (SHPS)		
Description	This ASCII field shall specify the horizontal pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the horizontal component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Scanned Vertical Pixel Scale

Type-20 Source Representation Record

Scanned Vertical Pixel Scale

Field ID (Mnemonic)	20.018 (SVPS)		
Description	This ASCII field shall specify the vertical pixel density used for scanning providing the SLC field contains a "1" or a "2". Otherwise, it indicates the vertical component of the pixel aspect ratio.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Segments

Field ID (Mnemonic)	20.016 (SEG)		
Description	This optional field shall consist of a subfield for each segment to be defined. Each subfield consists of a series of information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Segments

Reference Segment Position

Field ID (Mnemonic)	20.016_1 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Internal File Reference Pointer

Field ID (Mnemonic)	20.016_2 (IPT)		
Description	The second information item is the internal file reference pointer/ IPT. It is set to 0 if the source representation is a single file. If the external file referenced in External file reference / EFR is a PDF, video, or presentation file, or has multiple locations where a sample may be located, this information item is the reference to the particular instance, such as page, video frame, or slide number used to derive the image transmitted in other record types. If a particular frame is chosen and there is no further image segmentation needed, the following information items shall not be used.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 15	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Segments

Number of Points

Field ID (Mnemonic)	20.016_3 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	20.016_4 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= HPO <= HLL positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Segments

Vertical Point Offset

Field ID (Mnemonic)	20.016_5 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= VPO <= VLL positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	20.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-20 Source Representation Record

Source Agency Name

Field ID (Mnemonic)	20.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Data

Field ID (Mnemonic)	20.999 (DATA)		
Description	If this field is used, Field 20.994: External file reference / EFR shall not be set. However, one of the two fields shall be present in all instances of this record type. See ANSI/NIST ITL for details this field entry. In Traditional format, this field shall be the last field in the record layout. It is mandatory for a 2D still image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Date

Type-20 Source Representation Record

Source Representation Date

Field ID (Mnemonic)	20.005 (SRD)		
Description	This optional field shall contain the local date and time that the source representation contained in the record was captured.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	YYYYMMDDhhmm		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Format

Field ID (Mnemonic)	20.015 (SFT)		
Description	This is a mandatory field comprised of two information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Source Representation Format

File Type

Field ID (Mnemonic)	20.015_1 (FTY)		
Description	The first information item is mandatory. It is file type / FTY. If the source representation is a digital file, this shall contain the suffix indicating the file type (such as JPG). If it is an analog file, enter 'ANALOG'. For digital data stored in other formats (such as digital tape), enter 'OTHER'.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Decoding Instructions

Field ID (Mnemonic)	20.015_2 (DEI)		
Description	The second information item is decoding instructions / DEI. It is optional and contains free text up to 1000 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation Number

Type-20 Source Representation Record

Source Representation Number

Field ID (Mnemonic)	20.021 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

SRN Cardinality

Field ID (Mnemonic)	20.003 (CAR)		
Description	This mandatory field indicates how this record is being used. It describes the cardinality: one to one (S), one to many (D), or many-to-one (M) of how the source representation record relates to other record(s) within the transaction.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	CAR = S, D, or M		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	CAR VALUE:
	  S = The representation in this Type-20 record is the source of another Type-20 record
	  D = The representation in this Type-20 record is the source of one or more biometric type records, Excluding Type-4 and Type-9, which have been derived from it
	  M = A single biometric type record, excluding Type-4 and Type-9, has been prepared from multiple Type-20 records		

Time Index

Type-20 Source Representation Record

Time Index

Field ID (Mnemonic)	20.019 (TIX)		
Description	This is a conditional field. If the record contains video or audio, it shall contain the start and end times of segments within the file. For Type-20 or Type-21 records containing video or audio, this field shall contain two information items, time index start /TIS and time index end / TIE for the start and end times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds. This field is comprised of one or more subfields. Each repeating subfield corresponds to a single segment, with a starting and end time as separate information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Time Index Start

Field ID (Mnemonic)	20.019_1 (TIS)		
Description	For Type-20 or Type-21 records containing video or audio, this information item of the Time Index field shall contain the start times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	n/a		
Value Constraints	TIS >= 0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-20 Source Representation Record

Time Index

Time Index End

Field ID (Mnemonic)	20.019_2 (TIE)		
Description	For Type-20 or Type-21 records containing video or audio, this information item of the Time Index field shall contain the end times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	n/a		
Value Constraints	TIE >= TIS		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Horizontal Pixel Scale

Field ID (Mnemonic)	20.009 (THPS)		
Description	This is the integer pixel density used in the horizontal direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the horizontal component of the pixel aspect ratio, up to 5 integer digits. For example, if the SLC value = 1, then the value of THPS could be '1000' for a 1000 ppi sensor.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Horizontal Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Transmitted Vertical Pixel Scale

Type-20 Source Representation Record

Transmitted Vertical Pixel Scale

Field ID (Mnemonic)	20.010 (TVPS)		
Description	This is the integer pixel density used in the vertical direction of the image if SLC has a value of "1" or "2". If SLC has a value of "0", this information item shall contain the vertical component of the pixel aspect ratio, up to 5 integer digits. If SLC is 1 or 2, then TVPS shall equal THPS.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	Vertical Pixel Scale	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Field ID (Mnemonic)	20.100-20.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	See Field 20.100-20.900		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Vertical Line Length

Type-20 Source Representation Record

Vertical Line Length

Field ID (Mnemonic)	20.007 (VLL)		
Description	VLL defines the number of horizontal lines contained in the image. The maximum vertical size is limited to 65,535 pixels in Record Types-4 and 8, and to 99,999 for other record types. The minimum value is 10 pixels.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-20)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	10 <= VLL <= 99999 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Annotated Information

Field ID (Mnemonic)	21.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Field ID (Mnemonic)	21.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Annotated Information

Processing Algorithm Name / Version

Field ID (Mnemonic)	21.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Owner

Field ID (Mnemonic)	21.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Annotated Information

Process Description

Field ID (Mnemonic)	21.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Data

Field ID (Mnemonic)	21.999 (DATA)		
Description	If this field is used, Field 21.994: External file reference / EFR shall not be set. However, one of the two fields shall be present in all instances of this record type. It is mandatory for a 2D still image.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Bytes	1 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Date

Type-21 Associated Context Record

Associated Context Date

Field ID (Mnemonic)	21.005 (ACD)		
Description	This optional field shall contain the date and time that the context representation contained in the record was captured.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	YYYYMMDDhhmm		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Format

Field ID (Mnemonic)	21.015 (AFT)		
Description	This is a mandatory field comprised of two information items. The first information item is mandatory. It is file type / FTY. If the associated context file is a digital file, this shall contain the suffix indicating the file type. If it is an analog file, enter 'ANALOG'. For digital data stored in other formats (such as digital tape), enter 'OTHER'. The second information item is decoding instructions / DEI. It is optional and contains free text up to 1000 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Associated Context Format

File Type

Field ID (Mnemonic)	21.015_1 (FTY)		
Description	The first information item is mandatory. It is file type / FTY. If the source representation is a digital file, this shall contain the suffix indicating the file type (such as JPG). If it is an analog file, enter 'ANALOG'. For digital data stored in other formats (such as digital tape), enter 'OTHER'.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Decoding Instructions

Field ID (Mnemonic)	21.015_2 (DEI)		
Description	The second information item is decoding instructions / DEI. It is optional and contains free text up to 1000 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 1,000	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context Number

Type-21 Associated Context Record

Associated Context Number

Field ID (Mnemonic)	21.021 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Comment

Field ID (Mnemonic)	21.02 (COM)		
Description	The optional Comment field appears in many record types and may be used to insert free text information. It is not reserved exclusively for log-related information but has historically often been used for this purpose. It is limited to a maximum of 126 characters. This maximum size was established in order to maintain consistency across encodings. The maximum size differed in the 2007 and 2008 versions of the standard.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

External File Reference

Type-21 Associated Context Record

External File Reference

Field ID (Mnemonic)	21.994 (EFR)		
Description	This conditional field shall be used to enter the URL / URI or other unique reference to a storage location for all associated context files EXCEPT 2D still images. If this field is used, Field 21.999: Associated context data / DATA shall not be set. However, one of the two fields shall be present in all instances of this record type. It is an alphanumeric entry, with special characters allowed. A non-URL reference might be similar to: "Case 2009:1468 AV Tape 5".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	21.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	21.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	21.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	21.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	21.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	21.998_05 (LGD)		
Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples: Buenos Aires, Argentina: -58 (with minutes LGM = 22) NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	21.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	21.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	21.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	21.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	21.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	21.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	21.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	21.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	21.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	21.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	21.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

UNCLASSIFIED

Type-21 Associated Context Record

Hash

Information Designation Character

Field ID (Mnemonic)	21.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99 integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	21.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-21 Associated Context Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	21.003,006-014,017,018,022-099,901,903-992,995,997 ()		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	21.003		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Segments

Field ID (Mnemonic)	21.016 (SEG)		
Description	This optional field shall consist of a subfield for each segment to be defined. Each subfield consists of a series of information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Segments

Associated Segment Position

Field ID (Mnemonic)	21.016_1 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Internal File Reference Pointer

Field ID (Mnemonic)	21.016_2 (IPT)		
Description	The second information item is the internal file reference pointer/ IPT. It is set to 0 if the source representation is a single file. If the external file referenced in External file reference / EFR is a PDF, video, or presentation file, or has multiple locations where a sample may be located, this information item is the reference to the particular instance, such as page, video frame, or slide number used to derive the image transmitted in other record types. If a particular frame is chosen and there is no further image segmentation needed, the following information items shall not be used.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 15	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Segments

Number of Points

Field ID (Mnemonic)	21.016_3 (NOP)		
Description	Specifies the number of vertices.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	3 <= NOP <= 99 positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Horizontal Point Offset

Field ID (Mnemonic)	21.016_4 (HPO)		
Description	The pixel counts to the right.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Segments

Vertical Point Offset

Field ID (Mnemonic)	21.016_5 (VPO)		
Description	The pixel counts down from the origin.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	21.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-21 Associated Context Record

Source Agency Name

Field ID (Mnemonic)	21.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Time Index

Field ID (Mnemonic)	21.019 (TIX)		
Description	This is a conditional field. If the record contains video or audio, it shall contain the start and end times of segments within the file.For Type-20 or Type-21 records containing video or audio, this field shall contain two information items, time index start /TIS and time index end / TIE for the start and end times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds. This field is comprised of one or more subfields. Each repeating subfield corresponds to a single segment, with a starting and end time as separate information items.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-21 Associated Context Record

Time Index

Time Index Start

Field ID (Mnemonic)	21.019_1 (TIS)		
Description	For Type-20 or Type-21 records containing video or audio, this information item of the Time Index field shall contain the start times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	n/a		
Value Constraints	TIS >= 0		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Time Index End

Field ID (Mnemonic)	21.019_2 (TIE)		
Description	For Type-20 or Type-21 records containing video or audio, this information item of the Time Index field shall contain the end times of segments within a video or audio file, measured in hh:mm:ss.sss where ss.sss refers to the seconds and milliseconds.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	12 to 12	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	n/a		
Value Constraints	TIE >= TIS		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-21 Associated Context Record

User Defined Fields

Field ID (Mnemonic)	21.100-21.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-21)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	21.100-21.900		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-98 Information Assurance Record

Audit Log

Field ID (Mnemonic)	98.900 (ALF)		
Description	This optional field contains a series of repeating subfields. One complete audit statement (subfield of ALF) shall be completed for each modified datum. If this field appears, then Field 98.901 Audit revision number / ARN shall also be in the record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	5	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Event

Field ID (Mnemonic)	98.900_1 (EVT)		
Description	It is mandatory and shall contain textual information describing the event that occurred to the ANSI/NIST-ITL record/ field, and shall be chosen from the following controlled vocabulary: o Added o Modified o Deleted o Corrupted		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	5 to 9	DoD EBTS 3.0	Yes
Char Types	A		
Special Chars	None		
Value Constraints	EVT = Added, Modified, Deleted or Corrupted		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		

Look Up Codes	IA EVENT CODES:
	  Added = Added
	  Modified = Modified
	  Deleted = Deleted
	  Corrupted = Corrupted		

Type-98 Information Assurance Record

Audit Log

Event Reason

Field ID (Mnemonic)	98.900_2 (EVR)		
Description	It states the rationale behind the Event that occurred. This information item is optional and should be populated with alphanumeric text with special characters up to 200 characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Information Identifier

Field ID (Mnemonic)	98.900_3 (IID)		
Description	It is mandatory and identifies the field/subfield/information item that has been affected by the Event. It is defined as the concatenation of the IDC, a comma, the Field Number in the standard, a comma, the repeat count of the subfield (default = NA), a comma, and the information item mnemonic (if it exists). If a repeating subfield or information item does not exist, enter a "NA". Examples: o 17,10.01,NA,BBC o 3,9.373,4,NA o 8,10.024,2,QVU For the case when a repeated subfield is removed, the entry for the repeat field number is the original repeat set count, preceded by a negative; the information item mnemonic is entered as "NA". When an information item is removed, the mnemonic is preceded by a negative. When an optional field is removed, the field number is preceded by a minus. Even though subfields and information items may have been in the field, the field number is followed by "NA,NA" so that the subfields and information items do not have to be individually listed. o 12,10.024,-2,NA o 6,18.016,NA,-AL3 o 5,-14.024,NA,NA		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 30	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	Field number exists, Repeat count valid for the field number, Mnemonic exists		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-98 Information Assurance Record

Audit Log

Agent

Field ID (Mnemonic)	98.900_4 (AGT)		
Description	It is mandatory and shall contain information describing the entity (Agent) responsible for the EVT that affected the object identified by the IID. It is an alphanumeric entry of up to 200 characters with special characters allowed.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 200	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Old Reference

Field ID (Mnemonic)	98.900_5 (OLD)		
Description	It is optional. When used, it shall contain the original value of the location in the transaction referenced in IID before it was affected by the event (EVT).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	Dependent upon the format of the location referenced by IID		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Audit Revision Number

Type-98 Information Assurance Record

Audit Revision Number

Field ID (Mnemonic)	98.901 (ARN)		
Description	This field is mandatory if Field 98.900: Audit log / ALF appears in the record. It contains a unique reference to the revision within the revision history. It is numeric, with up to 3 digits. For example, Revision 1 shall be encoded as 1; Revision 88 as 88. Several subfields may have the same value for ARN. Revision "x" may contain multiple events, each of which is recorded as a discrete modification (requiring a separate subfield), having the same revision number entered in ARN. Each ALF has exactly one ARN.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ARN <= 999; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

IA Data Creation Date

Field ID (Mnemonic)	98.006 (DCD)		
Description	This mandatory field shall contain the date and time that IA data was created. The date and time shall appear as GMT format.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	8 to 15	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

IA Data Format Owner

Type-98 Information Assurance Record

IA Data Format Owner

Field ID (Mnemonic)	98.003 (DFO)		
Description	This mandatory field shall contain a four digit hex value assigned by an authoritative body which denotes the vendor, standards body, working group, or industry consortium that has defined the format of the information assurance data. The IA data format owner and Field 98.005: IA data format type / DFT , when used in combination with one another uniquely identify the specific format of the IA content. This IA data format definition may be published (public) or unpublished (non-public).		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	4 to 4	**DoD EBTS 3.0**	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

IA Data Format Type

Field ID (Mnemonic)	98.005 (DFT)		
Description	This mandatory field shall be used to identify the value assigned by the format owner (DFO) to represent the specific IA data format as specified by the format owner. This may be a nonstandard, unpublished data format or a data format that has been standardized by an industry group, consortium, or standards body.		
Remarks	n/a		
Format	n/a	**Source**	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	**DoD EBTS 1.2**	No
Num Info Items	0	**DoD EBTS 2.0**	No
Num Chars	1 to 20	**DoD EBTS 3.0**	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Information Designation Character

Type-98 Information Assurance Record

Information Designation Character

Field ID (Mnemonic)	98.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	98.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-98 Information Assurance Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	98.007-98.199, 98.902-98.999		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	98.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-98 Information Assurance Record

Source Agency Name

Field ID (Mnemonic)	98.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Field ID (Mnemonic)	98.200-98.899 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-98)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Annotated Information

Field ID (Mnemonic)	99.902 (ANN)		
Description	This optional field is used to store annotation, logging, or processing information associated with one or more processing algorithms or latent workstations (other than the FBIdeveloped ULW).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	4	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Greenwich Mean Time

Field ID (Mnemonic)	99.902_1 (GMT)		
Description	This optional field provides a mechanism for expressing the date and time in terms of universal Greenwich Mean Time (GMT) units. This time is independent of the actual time zone where the time and date is recorded. The data is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	n/a		
Format	YYYYMMDDHHMMSSZ - for Traditional Encoding	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Annotated Information

Processing Algorithm Name / Version

Field ID (Mnemonic)	99.902_2 (NAV)		
Description	The second information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters identifying the name and version of the processing algorithm or workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Owner

Field ID (Mnemonic)	99.902_3 (OWN)		
Description	The third information item Type-9 Annotated Information field shall contain an unformatted text string of up to 64 characters with the contact information for the organization that owns the processing algorithm or latent workstation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 64	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Annotated Information

Process Description

Field ID (Mnemonic)	99.902_4 (PRO)		
Description	The fourth and final information item of the Type-9 Annotated Information field shall contain an unformatted text string of up to 255 characters describing a process or procedure applied to the sample in this Type-XX record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 255	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Context

Field ID (Mnemonic)	99.995 (ASC)		
Description	Optional field xx.995 is contained in biometric data sample Record Types 10 and above that may have instances of Record Type-21 linked to it. Record Type-21 stores images and/or recordings that are not the actual source of the biometric data contained in another Record Type, but do show the context of the biometric data. An example would be a photograph of a glass that had latent prints on it. The actual image of the latent prints would appear in a Type-20 record, with the segmented individual images appearing in Type-13 records. This field consists of a maximum of 255 repeating subfields, each of which contains two information items, as described below. This is because there may be multiple instances of associated context records associated with a single biometric sample.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Associated Context

Associated Context Number

Field ID (Mnemonic)	99.995_1 (ACN)		
Description	The first information item for the Associated Context field for a particular Record Type-21. This is mandatory for each Field xx.995, when the field is used. It contains an index to a particular instance of a Type-21 record in the transaction. This same index value appears in the appropriate instance of Record Type-21 as Field 21.021: Associated context number / ACN. The value of the ACN shall be a sequentially assigned a positive integer starting from one and incremented by one, not toexceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= ACN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Associated Segment Position

Field ID (Mnemonic)	99.995_2 (ASP)		
Description	The first information item is the associated segment position / ASP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	1 <= ASP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

BDB Format Owner

Type-99 CBEFF Biometric Data Record

BDB Format Owner

Field ID (Mnemonic)	99.103 (BFO)		
Description	This ASCII field shall be used to denote the vendor, standards body, working group, or industry consortium that has defined the format of the biometric data (in the BDB). In a CBEFF structure the BDB Format Owner and Format Type, when used in combination, uniquely identify the specific format of the BDB content. The format and content of the BDB is "owned" by the CBEFF Client (see Clause 6.1 of the CBEFF standard). This BDB format definition may be published (public) or unpublished (non-public). A CBEFF requirement is that format owners register with IBIA for an assigned identifier of the format owner. The number is guaranteed to be unique. Refer to the CBEFF standard, Clause 6, "CBEFF Patrons and Clients,", for registration information. The four hex digits assigned by IBIA shall be represented by a string of four ASCII characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

BDB Format Type

Field ID (Mnemonic)	99.104 (BFT)		
Description	This ASCII field shall be used to identify the value assigned by the format owner to represent the specific BDB Format as specified by the format owner. This may be a nonstandard, unpublished data format or a data format that has been standardized by an industry group, consortium, or standards body. The registration of the Format Type value is recommended but not required. Refer to the CBEFF standard, Clause 6, "CBEFF Patrons and Clients," for registration information. The four hex digits assigned by the format owner shall be represented by a string of four ASCII characters.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Capture Date

Type-99 CBEFF Biometric Data Record

Biometric Capture Date

Field ID (Mnemonic)	99.005 (BCD)		
Description	This ASCII field shall contain the date and time that the biometric sample was captured. The date and time shall appear as fifteen digits in the format YYYYMMDDhhmmssZ. The YYYY characters shall represent the year the image was captured; the MM characters shall be the tens and units values of the month; the DD characters shall be the tens and units values of the day in the month; the hh characters shall be the tens and units values of the hour of the day in 24-hour format; the mm characters shall be the tens and units values of the minute within the hour; the ss characters shall be the tens and units values of the second of the minute; and "Z" denotes Coordinated Universal Time, which is abbreviated UTC. For example, December 15, 2000 at 5 AM, 35 minutes and 30 seconds is expressed as 20001215053530Z. The complete date must be a legitimate date.		
Remarks	n/a		
Format	YYYYMMDDhhmmssZ	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Biometric Creation Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Data Block

Field ID (Mnemonic)	99.999 (DATA)		
Description	This mandatory field shall contain the CBEFF Biometric Data Block (BDB). In Traditional encoding, this shall be the last physical field in the record.		
Remarks	See Section 7.2 of ANSI/NIST ITL 1-2011 for details.		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Bytes	2 to -	DoD EBTS 3.0	Yes
Char Types	B		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Data Quality

Type-99 CBEFF Biometric Data Record

Biometric Data Quality

Field ID (Mnemonic)	99.102 (BDQ)		
Description	This set shall specify a quality score data for the biometric data stored in the BDB in this record. The three information items identify a quality score and the algorithm used to create the quality score. This information is useful to enable the recipient of the quality score to differentiate between quality scores generated by different algorithms and adjust for any differences in processing or analysis as necessary.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	Yes
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Quality Value

Field ID (Mnemonic)	99.102_1 (QVU)		
Description	This information item shall contain the integer image quality score between 0 and 100 (inclusive) assigned to the image data by a quality algorithm. Higher values indicate better quality. An entry of "255" shall indicate a failed attempt to calculate a quality score. An entry of "254" shall indicate that no attempt to calculate a quality score was made.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Image Quality Score Quantity	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= QVU <= 100 or QVU = 254 or 255; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Biometric Data Quality

Algorithm Vendor Identification

Field ID (Mnemonic)	99.102_2 (QAV)		
Description	This information item shall specify the ID of the vendor of the quality algorithm used to calculate the quality score. This 4-digit hex value is assigned by IBIA and expressed as four ASCII characters. The IBIA shall maintain the Vendor Registry of CBEFF Biometric Organizations that will map the value in this field to a registered organization.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Image Quality Algorithm Vendor Identifier	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	0000 <= QAV <= FFFF		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Algorithm Product Identification

Field ID (Mnemonic)	99.102_3 (QAP)		
Description	This information item shall specify a numeric product code assigned by the vendor of the quality algorithm, which may be registered with the IBIA, but it is not required to be registered. It indicates which of the vendor's algorithms was used in the calculation of the quality score. This field contains the ASCII representation of the integer product code and should be within the range 1 to 65535.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Image Quality Algorithm Product	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 5	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= QAP <= 65535; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Biometric Type

Type-99 CBEFF Biometric Data Record

Biometric Type

Field ID (Mnemonic)	99.101 (BTY)		
Description	This ASCII field shall be used to identify the type of biometric technology. This specification adopts the values presented in CBEFF with the addition of two leading zeros for future expansion.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	8 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	BIOMETRIC MODALITY CODES: 00000000 = No Information Given 00000001 = Multiple Biometrics Used 00000004 = Voice 00000020 = Retina 00000040 = Hand Geometry 00000080 = Signature Dynamics 00000100 = Keystroke Dynamics 00000200 = Lip Movement 00000400 = Thermal Face Image 00000800 = Thermal Hand Image 00001000 = Gait 00002000 = Body Odor 00008000 = Ear Shape 00010000 = Finger Geometry 00040000 = Vein Pattern		

CBEFF Header Version

Type-99 CBEFF Biometric Data Record

CBEFF Header Version

Field ID (Mnemonic)	99.100 (HDV)		
Description	This ASCII field shall be used to identify the version of CBEFF specification that this record conforms to. The format is two characters for major version number followed by two characters for minor version. The current version of CBEFF is INCITS 398-2005 represented by the string '0101' (major version '01' and minor version '01').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	4 to 4	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	HDV = 0101		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Device Unique Identifier

Field ID (Mnemonic)	99.903 (DUI)		
Description	The DUI shall contain a string uniquely identifying the device or source of the data. This field shall be one of: • Host PC MAC address, identified by the first character "M", or • Host PC processor ID, identified by the first character "P". Note: ANSI/NIST ITL 1-2011 has deleted the options for "Serial number or No serial number" from Field 17.017, since it is available in the Make / Model / Serial Number field.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	13 to 16	DoD EBTS 3.0	Yes
Char Types	ANS		
Special Chars	Any		
Value Constraints	first character = M or P		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Digitization Time (Sunset)

Type-99 CBEFF Biometric Data Record

Digitization Time (Sunset)

Field ID (Mnemonic)	n/a		
Description	The Greenwich Mean Time (GMT) when the image was digitized if different then the capture date in order for submission.		
Remarks	n/a		
Format	n/a	Source	n/a
Previous DDE Name	Digitization Date	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	No
Char Types	AN		
Special Chars	None		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	<Navy withdrawn the request to add Digitization Time to the IDD>		
Look Up Codes	n/a		

Geographic Sample Acquisition Location

Field ID (Mnemonic)	99.998 (GEO)		
Description	This optional field contains the location where the iris sample/original source/context information was acquired – not where it is stored.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	15	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Universal Time Entry

Field ID (Mnemonic)	99.998_01 (UTE)		
Description	The coordinated universal time (UTC) where the biometric sample was collected. This time is independent of the actual time zone where the time and date is recorded. The date is YYYYMMDDhhmmssZ, where the Z is indicates the zone description of 0 hours.		
Remarks	If sample collection time is unknown, set it to "00000000000000Z."		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	15 to 15	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	Dependent upon encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Degree Value

Field ID (Mnemonic)	99.998_02 (LTD)		

Description	The second information item is latitude degree value / LTD. This is a value that specifies the degree of latitude. The value shall be between -90 (inclusive) and +90 (inclusive). The degrees may be expressed as an integer (without a decimal) or a real number including decimals. If decimals are present, then minutes and seconds shall be empty. Examples:
	  Buenos Aires, Argentina: -34 (with minutes LTM = 36)
	  NIST, Gaithersburg, Maryland: 39.137627 (no LTM or LTS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 9	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-90 <= LTD <= 90		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Latitude Minute Value

Field ID (Mnemonic)	99.998_03 (LTM)		
Description	The third information item is latitude minute value / LTM. This is a value that specifies a minute of a degree. The value shall be between 0 (inclusive) to 60 (exclusive). The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall be empty. The minute value is empty, even if the degree value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LTM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Latitude Second Value

Field ID (Mnemonic)	99.998_04 (LTS)		
Description	The fourth information item is the latitude second value / LTS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LTS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Longitude Degree Value

Field ID (Mnemonic)	99.998_05 (LGD)		

Description	The fifth information item is the longitude degree value / LGD. It is a value that specifies the degree of a longitude. The value shall be between -180 (inclusive) and +180 (inclusive). If LTD is present, then LGD shall be present.The degrees may be expressed as whole numbers (without a decimal) or real numbers including decimals. If decimals are present, then minutes and seconds are empty. Examples:
	  Buenos Aires, Argentina: -58 (with minutes LGM = 22)
	  NIST, Gaithersburg, Maryland: -77.216032 (no LGM or LGS)		

Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal,Minus Sign,Plus Sign		
Value Constraints	-180 <= LGD <= 180		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Longitude Minute Value

Field ID (Mnemonic)	99.998_06 (LGM)		
Description	The sixth information item is the longitude minute value / LGM. It is a value that specifies a minute of a degree. The value shall be from 0 (inclusive) to 60 (exclusive).The minute value may be expressed as an integer (without a decimal) or as a real number including decimals. If decimals are present then seconds shall not appear. The minute value is empty, even if the degree value is an integer. If LTM is present, then LGM shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Decimal		
Value Constraints	0 <= LGM < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Longitude Second Value

Field ID (Mnemonic)	99.998_07 (LGS)		
Description	The seventh information item is the longitude second value / LGS. This is a value that specifies a second of a minute. The integer shall be 0 (inclusive) to 60 (exclusive). The second value is empty, even if the minute value is an integer. If LTS is present, then LGS shall be present.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= LGS < 60		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Elevation

Field ID (Mnemonic)	99.998_08 (ELE)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	NS		
Special Chars	Minus Sign,Period		
Value Constraints	-422.000 < ELE < 8848.000; real number		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Geodetic Datum Code

Field ID (Mnemonic)	99.998_09 (GDC)		
Description	The ninth information item is the geodetic datum code / GDC11. It is an alphanumeric value of 3 to 6 characters in length. This information item is used to indicate which coordinate system was used to represent the values in information items 2 through 7. If no entry is made in this information item, then the basis for the values entered in the first eight information items shall be WGS84, the code for the World Geodetic Survey 1984 version - WGS 84 (G873). See look up codes for values.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	3 to 6	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	see Look Up Codes		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	GEOGRAPHIC COORDINATE DATUM CODES: AIRY = Airy AUST = Australian National BES = Bessel 1841 BESN = Bessel 1841 (Nambia) CLK66 = Clarke 1866 CLK80 = Clarke 1880 EVER = Everest FIS60 = Fischer 1960 (Mercury) FIS68 = Fischer 1968 GRS67 = GRS 1967 GRS80 = GRS 1980 HELM = Helmert 1906 HOUG = Hough INT = International KRAS = Krassovsky AIRYM = Modified Airy EVERM = Modified Everest FIS60M = Modified Fischer 1960 SA69 = South American 1969 WGS60 = WGS-60 WGS66 = WGS-66 WGS72 = WGS-72 WGS84 = WGS-84 / NAD-83 Other = <entry up to 6 characters>		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Zone

Field ID (Mnemonic)	99.998_10 (GCM)		
Description	It is an alphanumeric value of 2 to 3 characters. This is a one or two digit UTM zone number followed by the 8 degree latitudinal band designator (which is a single letter).		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	2 to 3	DoD EBTS 3.0	Yes
Char Types	AN		
Special Chars	None		
Value Constraints	One or two digit UTM zone		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Geographic Coordinate Universal Transverse Mercator Easting

Field ID (Mnemonic)	99.998_11 (GCE)		
Description	The eleventh information item is the geographic coordinate universal transverse Mercator easting / GCE. It is an integer of 1 to 6 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 6	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCE; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Universal Transverse Mercator Northing

Field ID (Mnemonic)	99.998_12 (GCN)		
Description	The twelfth information item is the geographic coordinate universal transverse Mercator northing / GCN. It is an integer of 1 to 8 digits.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 8	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= GCN; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Geographic Reference Text

Field ID (Mnemonic)	99.998_13 (GRT)		
Description	It is a free form text describing a street address or other physical location (such as 'Corner of Washington and Madison, Geneva, NY').		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 150	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Geographic Coordinate Other System Identifier

Field ID (Mnemonic)	99.998_14 (OSI)		
Description	A fourteenth optional information item geographic coordinate other system identifier / OSI allows for other coordinate systems. This information items specifies the system identifier. It is up to 10 characters in length. Examples are: • MGRS (Military Grid Reference System) • USNG (United States National Grid) • GARS (Global Area Reference System) • GEOREF (World Geographic Reference) • LANDMARK landmark (e.g. hydant) and position relative to the landmark.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 10	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	n/a		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Geographic Sample Acquisition Location

Geographic Coordinate Other System Value

Field ID (Mnemonic)	99.998_15 (OCV)		
Description	A fifteenth optional information item, is the geographic coordinate other system value / OCV. It shall only be present if OSI is present in the record. It can be up to 126 characters in length. If OSI is LANDMARK, OCV is free text and may be up to 126 characters. For details on the formatting of OCV for the other coordinate systems shown in OSI as examples, see http://earth-info.nga.mil/GandG/coordsys/grids/referencesys.html .		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 126	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Hash

Field ID (Mnemonic)	99.996 (HAS)		
Description	Optional field xx.996, is designed for use in Record types 10 and above with a Field xx.999 storing the biometric data. It is comprised of 64 characters representing hexadecimal values. Thus, each character may be a digit from "0" to "9" or a letter "A" through "F". See the latest version of the Federal Information Processing Standard 180, Secure Hash Standard for information on computing SHA-256 hashes. At the time of this standard's publication, FIPS 180-37 had been published. It is also possible to use Field xx.996 to contain the hash for data stored externally, which is referenced in Field 20.994: External file reference / EFR and /or Field 21.994: External file reference / EFR . The ability to store files externally is new to this version of the standard, and is only implemented for the two new record types referred to here. Use of the hash enables the receiver of the data to perform quick searches of large databases to determine if the data already exist in the database. It is not intended as an information assurance check. That is handled by Record Type-98: Information assurance record.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	64 to 64	DoD EBTS 3.0	Yes
Char Types	H		
Special Chars	None		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Hash

Information Designation Character

Field ID (Mnemonic)	99.002 (IDC)		
Description	Each of the records present in a transaction, with the exception of the Type-1 record, shall include a field (xx.002) containing the information designation character / IDC. The value of the IDC shall be a sequentially assigned positive integer starting from zero and incremented by one up to a maximum of 99. IDC references are stated in Type-1 Field 1.003 Transaction content / CNT and shall be used to relate information items in the CNT field of the Type-1 record to the other records in the transaction. Two or more records may share a single IDC solely to identify and link together records that pertain to different representations of the same biometric trait.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Image Designation Character	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	0 <= IDC <= 99; integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Make/Model/Serial Number

Field ID (Mnemonic)	99.904 (MMS)		
Description	The MMS contains the make, model and serial number for the capture device. It shall consist of three information items. Each information item shall be 1 to 50 characters. Any or all information items may indicate that information is unknown with the value "0".		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Capture Device Information	DoD EBTS 1.2	No
Num Info Items	3	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Make/Model/Serial Number

Make

Field ID (Mnemonic)	99.904_1 (MAK)		
Description	The name of the manufacturer for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Capture Device Manufacturer	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Model

Field ID (Mnemonic)	99.904_2 (MOD)		
Description	The model number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Capture Device Model	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Make/Model/Serial Number

Serial Number

Field ID (Mnemonic)	99.904_3 (SER)		
Description	The serial number for the capture device.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Capture Device Serial Number	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 50	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Record Header

Field ID (Mnemonic)	99.001 (LEN - for Traditional Encoding only)		
Description	The record header appears as the first field (xx.001) in each Record Type. It contains information particular to the encoding format chosen, in order to enable proper reading of the record. In Traditional encoding, this field contains the record length in bytes (including all information separators). In NIEM-conformant XML encoding, this field contains the RecordCategoryCode, which is the numeric representation of the Record Type.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	Depending on encoding		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reserved for Future Use only by ANSI/NIST-ITL

Type-99 CBEFF Biometric Data Record

Reserved for Future Use only by ANSI/NIST-ITL

Field ID (Mnemonic)	99.003,006-009,105-199,901,905-992,994 ()		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency

Field ID (Mnemonic)	99.004 (SRC)		
Description	This is the identifier of the agency that actually created the record and supplied the information contained in it.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	Source Agency/ORI	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to -	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Agency Name

Type-99 CBEFF Biometric Data Record

Source Agency Name

Field ID (Mnemonic)	99.993 (SAN)		
Description	This is an optional field. It may contain up to 125 Unicode characters. It is the name of the agency referenced in Field xx.004: Source agency / SRC for record types 9-99.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	Yes
Num Info Items	0	DoD EBTS 2.0	Yes
Num Chars	1 to 125	DoD EBTS 3.0	Yes
Char Types	U		
Special Chars	Any		
Value Constraints	None		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Source Representation

Field ID (Mnemonic)	99.997 (SOR)		
Description	This optional field xx.997 is allowed in biometric data sample Record Types 10 and above that could have the biometric sample derived from a source representation in Record Type-20. The biometric data is stored in Field xx.999.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	2	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	Yes
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Type-99 CBEFF Biometric Data Record

Source Representation

Source Representation Number

Field ID (Mnemonic)	99.997_1 (SRN)		
Description	This is the first information item and is mandatory for each Field xx.997. It contains an index to a particular instance of a Type-20 record in the transaction. This same index value appears in the appropriate instance of Record Type-20 as Field 20.021: Source representation number / SRN. The value of the SRN shall be a sequentially assigned a positive integer starting from one and incremented by one, not to exceed 255.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 3	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= SRN <= 255; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

Reference Segment Position

Field ID (Mnemonic)	99.997_2 (RSP)		
Description	The first information item is the reference segment position / RSP. This provides a unique index to a segmentation.		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	1 to 2	DoD EBTS 3.0	Yes
Char Types	N		
Special Chars	None		
Value Constraints	1 <= RSP <= 99; positive integer		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		

User Defined Fields

Type-99 CBEFF Biometric Data Record

User Defined Fields

Field ID (Mnemonic)	99.200 - 99.900 (UDF)		
Description	n/a		
Remarks	n/a		
Format	n/a	Source	ANSI/NIST ITL 1-2011 (Type-99)
Previous DDE Name	n/a	DoD EBTS 1.2	No
Num Info Items	0	DoD EBTS 2.0	No
Num Chars	n/a	DoD EBTS 3.0	No
Char Types	n/a		
Special Chars	n/a		
Value Constraints	n/a		
Legacy Derivable	n/a		
Deprecated By	n/a		
Sunset Reason	n/a		
Look Up Codes	n/a		