2007 MA334D — DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of survey

This survey covers manufacturers of defense, navigational, and aerospace electronics and related products.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms.

a. Value of shipments

The figures on value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Value of shipments should be reported in thousands of dollars.

Include:

- (1) All shipments, whether for domestic use or for export.
- (2) Shipments on consignments as well as for sale.

- (3) Interplant transfers in which products are shipped from one plant of your company to another plant or sales branch.
- (4) Private brand units as well as your own company brand units.

Exclude:

- (1) Products manufactured for you by others
- (2) Products bought and resold without further manufacture by your company
- (3) Imports which are reshipped without further domestic manufacture

b. Research and development

Dollar shipments should reflect income from development, design, and engineering services performed by the reporting plant in connection with the manufacture of the products shipped, whether included in a single production contract, or contracted for separately, but intended as preparation for the manufacture of the specific products.

c. Columnar structure of report

When entering your figures on the report form, please be sure to report the information in the correct column as follows:

Column 1 — Value (report shipments in thousands of dollars. Example: \$1,000,000, report as \$1,000)

3. Definitions

The product detail for this survey, as shown in the Reference List, is defined according to standard nomenclature for this survey.

MA334D DEFINITIONS AND SPECIAL INSTRUCTIONS — Continued

4. Comparability

Data reported in this survey should correspond to data reported in the Economic Census - Manufacturing Sector form. The sum of values for item codes shown in column (a) should correspond to dollar values reported under product codes indicated in column (b) below.

Current Industrial Reports (Form MA334D) Item codes (a)	Economic Census - Manufacturing Sector Product codes (b)
4106 through 4162	3345111100
4202 through 4390	3345113100
6101 through 6119	3345192100
7177	3333197100
8379 through 8398	3333141100

REFERENCE LIST

FORM MA334D		DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS
Product code	Item code	Item description
		AERONAUTICAL, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS, EXCLUDING AIRCRAFT ENGINE INSTRUMENTS
3345111106 3345111111	4106 4114	Compasses, altimeters, and airspeed indicators Acceleration indicators, rate-of-climb and angle-of-attack indicators, and artificial horizon flight instruments
3345111115	4122	Other aerospace navigational instruments
3345111226 3345111232 3345111233	4130 4138 4146	Gyroscopes, sold separately Airframe equipment instruments Other aerospace flight instruments
3345111335	4154	Nautical instruments
3345111437	4162	Parts and components
3345111100	4199	Total aeronautical, nautical, and navigational instruments, excluding aircraft engine instruments (sum of item codes 4106—4162)
		SEARCH, DETECTION, NAVIGATION AND GUIDANCE SYSTEMS AND EQUIPMENT
3345113101	4202	Light reconnaissance and surveillance electronic systems and equipment
3345113103	4204	IFF equipment
3345113207	4210	Search, detection, and acquisition radar systems and equipment: airborne and missile/space
3345113212	4217	Other search, detection, and acquisition radar systems and equipment
3345113318	4231	Tracking radar systems and equipment (fire control, bombing, bombing navigational radar aircraft and missile tracking radar, etc.)
3345113325	4237	Instrumentation radar systems and equipment (altimeters, highway speed control radar, missile and space satellite tracing range radar, GCA and other precision approach radar, etc.)
3345113426	4251	Sonar search, detection, tracing, and communications systems and equipment, guidance, including ASM (sonar telephone, communication equipment, depth finding, fire control, fusing, hydrophones, mapping, sonabuoys, navigation, sonar fish finders, sonar range instrumentation, etc.)
3345113428	4257	Electronic checkout and monitoring equipment for radar, sonar search, detection, and communication systems and equipment
3345113433 3345113436	4258 4267	Specialized command and control equipment Other search, detection, identification, and tracking systems and equipment
3345113437 3345113441	4272 4278	Countermeasures equipment: jamming, communications and radar Other countermeasures equipment
3345113443	4282	Specialized electronic and communications intelligence equipment
3345113545 3345113547	4312 4322	Missile borne and space vehicle guidance systems Nonmissile and space vehicle guidance systems

REFERENCE LIST

FORM MA334D		
Product code	Item code	Item description
		SEARCH, DETECTION, NAVIGATION, AND GUIDANCE SYSTEMS AND EQUIPMENT—Continued
3345113549	4332	Electronic checkout, launching, and other missile and space support systems
3345113651 3345113653 3345113661 3345113663 3345113667	4342 4344 4362 4364 4368	Airborne navigational systems: radio navigation receivers and displays Airborne navigational systems: airborne integrated data systems/flight recorders Airborne navigational systems: inertial navigation systems Airborne navigational systems: proximity warning/collision avoidance equipment Other airborne navigational systems
3345113669	4372	Surface (ship and ground) navigational systems
3345113673	4382	Electronic checkout, monitoring, evaluation, and other electronic support equipment for navigational systems and equipment
3345113681	4390	All other search and detection navigation and guidance systems and equipment not specified
3345113100	4399	Total search, detection, navigation and guidance systems and equipment (sum of item codes 4202—4390)
		AIRCRAFT ENGINE INSTRUMENTS, EXCLUDING FLIGHT
3345192101 3345192104 3345192114 3345192115	6101 6104 6117 6119	Temperature sensors, transmitters, and displays Pressure ratio and vacuum sensors, transmitters, controls, and displays All other aircraft engine instruments Parts and components
3345192100	6129	Total aircraft engine instruments (sum of item codes 6101—6119)
3333197100	7177	ELECTRONIC TRAINERS AND SIMULATORS Electronic trainers and simulators, teaching machines, and teaching aids, including kits
		SIGHTING, TRACKING, AND FIRE CONTROL EQUIPMENT, OPTICAL-TYPE
3333141101 3333141103 3333141104 3333141106 3333141109	8379 8389 8390 8395 8398	Made from lenses, prism, etc., produced in this plant Made from purchased lenses, prisms, etc. Sighting and tracking laser systems Night visions goggles and equipment Parts and accessories
3333141100	8399	Total sighting, tracking, and fire control equipment (sum of item codes 8379—8398)
		SELECTED NONMANFACTURING REVENUES
999998900	9945	Resales—Sales of products bought and sold without further manufacture, processing, or
9997372000 9997377230	9960 9965	assembly Software services Systems integration revenues, including configuration, installation and site preparation, and custom programming
9999998041	9970	Research and development, testing and evaluation of systems and components

8/22/07

DUEDATE: 30 Days After Receipt

OMB No. 0607-0476: Approval expires 09-30-08

REPORT FOR CALENDAR YR 2007

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

FORM MA334D

CURRENT INDUSTRIAL REPORTS

DEFENSE, NAVIGATIONAL, AND AEROSPACE ELECTRONICS

Annual Report

If you have questions regarding this report form please contact:

JOSEPH SHINN EXT 2 1(800)201-4647

EMPLOYER IDENTIFICATION (EI) NUMBER. Identification number

used on Employer's Quarterly Federal Tax Return (U.S. Treasury Department Form 941) (Enter if not shown, correct if wrong.)

CONTACT PERSON (Enter information if not shown, correct if wrong.)

Name ATTN: Controller

Area code

Number

Fax number

The 8-digit number that appears above indicates that the Office of Management and Budget has approved this survey. If that number is not displayed, do not complete this form. YOUR RESPONSE IS REQUIRED BY LAW {Title 13, United States Code}. By section 9 of the same law, YOUR REPORT IS CONFIDENTIAL. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this establishment's report, please refer to the 11 digit Identification Number (ID) 01234567890



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SEQ: 1

ATTN: Controller

▶ PART I FOR EACH ITEM LISTED BELOW. ENTER FIGURES OR "0" for current period. (The figures shown in the shaded areas were reported

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(Please correct any error in name and address including ZIP Code)

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are acceptable.			N. P. C.					
AERONAUTICAL, NAUTICAL, AND NAVIGATIONAL INSTRUMENTS,								
EXCLUDING AIRCRAFT ENGINE INSTRUMENTS								
3345111106-Compasses, alti- meters, and airspeed	4106	2007				Memory Control of the		
indicators		2006						
		2005						
3345111111-Acceleration indi- cators, rate-of-climb and	4114	2007						
<pre>angle-of-attack indicators {see manual}</pre>	٠	2006						
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Figures not received when form was prepared. PLEASE ENTER, if not previously submitted.

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navigational instruments	4122	2007				2000		
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		2005						
3345111226-Gyroscopes sold separately	4130	2007		acoustic control of the control of t	-		overalization of the state of t	-
		2006					and the second	
		2005					****	
3345111232-Airframe equipment instruments	4138	2007	,·	intervention to the state of th	ocasion de la constantina della constantina dell		rational database and control	
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3345111233-Other aerospace flight instruments	4146	2007	·	vanakiriakuvanika	111111111111111111111111111111111111111		***************************************	
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3345111335-Nautical instru- ments	4154	2007			and the state of t		-	-
		2006		. Service and the service and	Statuturaniyasius			***************************************
		2005						
3345111437-Parts & components	4162	2007						
		2006						
		2005					opinion or the state of the sta	
3345111100-Total aeronautic- al, nautical, & navigational instru., ex. aircraft engine	4199	2007						
instru. {sum of 4106-4162}		2006						
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SEARCH, DETECTION, NAVIGATION & GUIDANCE SYSTEMS				uuda ee	novertonova de la companya de la com			
AND EQUIPMENT		,		Windhiston				
3345113101-Light reconnais- sance and surveillance	4202	2007						
electronic systems and equipment		2006						
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3345113103-IFF equipment	4204	2007			- Charles and and another charles another charles and another char		O TOTAL CONTRACTOR CON	

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U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS Identification Number (ID) (Enter if not shown, correct if wrong)

CURRENT INDUSTRIAL REPORTS – Continued

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ltem (Product code – Description)	Item code	Report period	Value {\$1000}		pur you fur	not report chased pro r company ther fabri nificant a	ducts on v performed cation or	vhich
3345113207-Search, detection, & acquisition radar systems	4210	2007	1	. 2	3	4	_. 5	6
& equipment: airborne and missile/space		2006		-				
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3345113212-Other search, detection, and acquisition	4217	2007		Totales	PO Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	de referencia de la composição de la com		
radar systems and equipment		2006						
		2005			-	***************************************		
3345113318-Tracking radar systems and equipment	4231	2007						
{see manual}		2006						÷
		2005		swint in the same of the same	and the state of t			
3345113325-Instrumentation radar systems and equipment	4237	2007				A CONTRACTOR OF THE CONTRACTOR		
{see manual}		2006						
		2005						
3345113426-Sonar search, detection, tracing, and	4251	2007						
<pre>communications systems and equipment {see manual}</pre>		2006	÷	***************************************	Georgia de la companya del companya de la companya del companya de la companya del la companya de la companya d	****		
		2005						
3345113428-Electronic check- out & monitoring equip, for radar, sonar search, detec-	4257	2007	N 14.4	***************************************				
tion, & comm. sys. & equip.		2006						
0045110400 00 - 1-11 - 1		2005						
3345113433-Specialized command & control equipment	4258	2007		***************************************		valva deli deli deli valva deli		
		2006						
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3345113436-Other search, detection, identification,	4267	2007		novariantimina	reariantee			·
and tracking systems and equipment		2006						
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3345113437-Countermeasures equipment: jamming, communications and radar	4272	2007		vollete distribute din	40000000000000000000000000000000000000			
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3345113441-Countermeasures equipment: other	4278	2007			Commission of the Commission o	**************************************		
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U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS Page **Identification Number (ID)** (Enter if not shown, correct if wrong) **CURRENT INDUSTRIAL REPORTS – Continued** 01234567890 ► PART I - Continued {Do not report imported or purchased products on which Item Item Report your company performed no further fabrication or Value (Product code - Description) code period significant assembly.} {\$1000} 3345113443-Specialized elec-4282 2007 tronic and communications intelligence equipment 2006 2005 3345113545-Missile borne and space vehicle guidance 4312 2007 systems 2006

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3345113651-Airborne naviga- tional systems: radio navigation receivers and displays	4342	2007	onatation de la constitución de la	**************************************			
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		2005					
3345113653-Airborne naviga- tional systems: airborne	4344	2007	anno anno anno anno anno anno anno anno	VILLANDON AND LAND L			
integrated data systems/ flight recorders		2006					
		2005		and a second	442,51		
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3345113547-Nonmissile & space

3345113549-Electronic checkout, launching, and other

missile and space support

3345113661-Airborne naviga-

3345113663-Airborne navigational systems: proximity

3345113667-Other airborne navigational systems

3345113669-Surface {ship and

ground navigational systems

equipment

warning/collision avoidance

tional systems: inertial navigation systems

systems

vehicle guidance systems

U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS Identification Number (ID) (Enter if not Page shown, correct if wrong) **CURRENT INDUSTRIAL REPORTS - Continued** 01234567890 5 PART I - Continued {Do not report imported or purchased products on which Item Item Report your company performed no further fabrication or Value (Product code - Description) code period significant assembly.} {\$1000} 2 6 3345113673-Electronic check-4382 out, monitoring, eval., & 2007 other elec. support equip. 2006 for naviga. systems & equip. 2005 3345113681-All other search & 4390 2007 detection navigation and guidance systems & equip. 2006 not specified 2005 3345113100-Total search & 4399 2007 detection, navigation & guidance systems & equipment 2006 {sum of items 4202-4390} 2005 AIRCRAFT ENGINE INSTRUMENTS. EXCLUDING FLIGHT 3345192101-Temperature sensors, transmitters, and 6101 2007 displays 2006 2005 3345192104-Pressure ratio and 6104 vacuum sensors, trans-2007 mitters, controls, and 2006 displays 2005 3345192114-All other aircraft 6117 2007 engine instruments 2006 2005 3345192115-Parts & components 6119 2007 2006 2005 3345192100-Total aircraft 6129 2007 engine instruments {sum of items 6101-6119}

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ELECTRONIC TRAINERS AND SIMULATORS

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3333197100-Electronic train-			{\$1000}	2	3	4	5	-6
ers and simulators, teaching machines, and teaching aids,	7177	2007 2006		-				
including kits		2005					-	
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3333141101-Made from lenses, prism, etc., produced in this plant	8379	2007			randomina de la companya de la comp			
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		2005			na.	-	on the state of th	
3333141103-Made from purchased lenses, prisms, etc.	8389	2007				operation of the state of the s	sanding and the sanding and th	
		2006						V [*]
3333141104-Sighting and		2005				***************************************		
tracking laser systems	8390	2007			2	00000000000000000000000000000000000000		
		2006		***************************************		4		
0000141100 N		2005	·				***************************************	
3333141106-Night vision goggles and equipment	8395	2007		30000000000000000000000000000000000000		and the second		
		2006						
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3333141109-Parts and accessories	8398	2007		sono de la companya del companya de la companya de la companya del companya de la companya del la companya del la companya de			***************************************	***************************************
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3333141100-Total sighting, tracking, and fire control	8399	2007		ussenis	wasterwarder and control	naponini na manana na	No.	
equipment {sum of items 8379-8398}		2,006						
		2005						
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SELECTED NONMANUFACTURING REVENUES								
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9999998900-Resales-Sales of products bought and sold	9945	2007	<u>er de para de l'Organização de Abraniza</u>		To considerate the control of the co	***************************************		
without further manufacture,	3340	2007						
processing, or assembly		2005						

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9997372000-Software services	0000	0007	1	2		3	4.	5	6	
	9960	2007		-				especial control of the control of t	unaandersteere en een een een een een een een een	
		2005		is and the second secon	***************************************					
9997377230-Systems integra-		water a modern transport to a modern transport to a	-	Non-						
<pre>tion revenues, including config., installation & site</pre>	9965	2007	:	vi.				***************************************		
prep., & custom programming		2006		***************************************				2000		
9999998041-Research &		2005		-	No.			NAME OF THE PROPERTY OF THE PR		
development, testing & evaluation of systems and	9970	2007		***				1444		
components		2006	:	***************************************	***************************************			000000000000000000000000000000000000000		
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PART II Has there been any character type				stion of this Skip to Part l		ment c	luring this per	iod?		
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A. □ Purchased from										
B. Sold to		William Barkette de la company and			-		-			
c. \square Plant discontinued all operations		Date								
D. Plant operations no longer covere	d by thi	s survey –	Describe in "F	Remarks" the	products c	urrently	produced.			
E. Reorganized – Describe in "Remai	rks;" e.g.	, partners	hip change or	change in co	rporate sta	tus.		***************************************		
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