

PAPERWORK REDUCTION ACT PUBLIC BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, a Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a current valid OMB control number. The valid OMB control number for this information collection is 2137-0034. The information requested on this form is being collected by the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA). Public reporting burden for this collection of information is estimated to be 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. All responses to this collection are voluntary. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to: Mr. T. Glenn Foster, Information Collection Clearance Officer, U. S. Department of Transportation, PHMSA, Office of Hazardous Materials Safety, PHH-10, 1200 New Jersey Ave., S.E., 2nd Floor East, E24-301, Washington, DC 20520.

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я <u>. </u>	Page #2
1. Name of the emergency response agency/organization	on you are representing:
# 2. Location of the emergency response agency/organiz	ation:
Town or City:	
County:	
State:	
Zip Code:	
3. Point of Contact (POC) information for the responder	conducting the emergency response simulation:
Name:	
Title:	
Address:	
Phone:	
Email:	
	cy's/organization's paperless hazardous materials (e-HM) communication each field if you do not know this information or do not want to provide
Name:	
Title:	
Address:	
Phone:	
Email:	
5. Describe the size and geographic parameters of your All U.S. (including navigable waters) Continental U.S. State-wide County-wide Within city/town limits Other, please describe:	r agency's/organization's jurisdiction:
6. How often does your agency/organization respond to a. Daily b. Weekly c. Monthly d. Quarterly (four times/year) e. Semi-annually (two times/year)	HM incidents?

₹ 7. Approximately how many transportation HM incidents does your agency/organization respond to annually?

g. Other, please identify frequency:

f. Annually

h. Unknown

 ○ 0 to 5 ○ 6 to 10 ○ 11 to 50 ○ 51 to 100 ○ Over 100 ○ Unknown
■ 8. Which transportation mode(s) has your agency/organization responded to for an HM incident in the past year? Please select all that apply:
☐ Roadway ☐ Rail ☐ Air ☐ Maritime ☐ Unknown
None
9. Does your agency/organization utilize an outside company to assist with HM information and emergency response communication?
✓ Yes✓ No✓ Unknown

10. What is the name of the Public Safety Answering response simulation?	Point (PSAP) which has jurisdiction for the location of the emergency
# 11. Location of responsible PSAP:	
Town or City:	
County:	
State:	
Zip Code:	
12. POC information for the responsible PSAP:	
Name:	·
Title:	
Address:	
Phone:	
Email:	

- If not 14. Was a driver/pilot/captain/conductor involved... = Yes then Hide 14a. Provide POC information for the driver/pilot/...
- If 14. Was a driver/pilot/captain/conductor involved... = No then Hide 14a. Provide POC information for the driver/pilot/...
- If not 15. Do you have POC information for the shipper's... = Yes then Hide 15a. Provide POC information for the shipper's and...
- If 15. Do you have POC information for the shipper's... = No then Hide 15a. Provide POC information for the shipper's and...

13. Name of shipper and/or carrier involved in the	
14. Was a driver/pilot/captain/conductor involved Yes No	
# 14a. Provide POC information for the driver/pilot/c	captain/conductor involved in the emergency response simulation:
Name:	
Title:	
Address:	
Phone:	
Email:	
15. Do you have POC information for the shipperYesNo	's and/or carrier's e-system?
15a. Provide POC information for the shipper's arknow the answer):	nd/or carrier's e-system (enter "UNKNOWN" in any fields for which you do not
Name:	
Title:	
Address:	
Phone:	
Email:	

- If not 21e. Did a dispatcher perform any follow-up activi... = Yes then Hide 21f. What follow-up activities were conducted?
- If 21e. Did a dispatcher perform any follow-up activi... = No then Hide 21f. What follow-up activities were conducted?

16. Location of emergency response simulation:	
Street address:	
City:	
State:	
Zip code:	
Name of site/area, if available (port, airport, station, etc.):	
4 17. Date of emergency response simulation (enter information in YYYY-MM-DE	O format):
18. Total time duration of emergency response simulation (enter information H	H:MM format):
■ 19. What type(s) of transportation conveyances were involved, or used to trans emergency response simulation? Select all that apply:	port the HM containers involved, in the
 ☐ Trucks ☐ Planes ☐ Ships ☐ Railcars ☐ Other, please identify: 	
	simulation? Select all who participated:
21. Describe the simulated pilot test HM emergency:	
21a. What was the simulated emergency?	
An HM emergency on a roadway An HM emergency on a railcar	
An HM emergency on an airplane An HM emergency aboard a marine vessel	
21b. Which emergency response entity was contacted first?	
C PSAP dispatch	
C Police C Fire	
Ambulance	
C EMS	
Other, please identify:	
21c. Who contacted the emergency response entity?	
C PSAP dispatch	

(Driver
○ Pilot
Captain Captain
Conductor
Shipper
Carrier
Other, please identify:
🗈 21d. Which first responder agency/organization arrived on the scene first?
C Police
Fire
Ambulance
C EMS
Other, please identify:
- 04 P:1 P 41
21e. Did a dispatcher perform any follow-up activities to the initial call (e.g., obtaining additional information from a shippe
regarding an HM that may be involved in the simulation)?
C Yes
○ No
21f. What follow-up activities were conducted?

22. What class(es) of HM were transported during the simulation? Please select all that apply:
Class 1 Explosives
Class 2 Gases
Class 3 Flammable Liquids (100°F or less, closed cup)
Class 4 Other Flammable Substances
Class 5 Oxidizing Substances and Organic Peroxides
Class 6 Toxic (Poisonous) and Infectious Substances
Class 7 Radioactive Materials
Class 8 Corrosives
Class 9 Miscellaneous Dangerous Materials
23. Was the shipment involved in the simulation a less than truckload (LTL) type HM shipment?
C Yes
O No
O Unknown

Branching Information

- If not 24b. Was an attempt made to transmit the informati... = Yes then Hide 24c. Was the information successfully transmitted ...
- If not 24c. Was the information successfully transmitted ... = Yes then Hide 24d. Who electronically transmitted the informati...
- If not 24c. Was the information successfully transmitted ... = Yes then Hide 24e. What information was transmitted electronica...
- If 24b. Was an attempt made to transmit the informati... = No then Hide 24c. Was the information successfully transmitted ...
- If 24b. Was an attempt made to transmit the informati... = No then Hide 24d. Who electronically transmitted the informati...
- If 24b. Was an attempt made to transmit the informati... = No then Hide 24e. What information was transmitted electronica...

24. Describe the electronic data exchange that occurred with the PSAP dispatcher as part of the HM pilot test simulation:

24a. What HM information did the PSAP dispatcher immediately request? Select all that apply:
Air Waybill Number Basic description of the HM Technical name of the HM Proper shipping name Immediate hazards to health Risks of fire or explosion Immediate precautions to be taken an accident or incident Immediate methods for handling fires, spills, or leaks Preliminary first aid measures Emergency response assistance plan (ERAP) reference number 24-hour emergency response telephone number Ability of the operator to contact the carrier in an incident involving HM UN identification number Hazard class or division number Packing group Tunnel restriction code Total quantity of material Number and type of packages Name and address of the consignor Name and address of the consignoe Date shipping document was prepared or first given to a shipper Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any special stowage provisions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's signed certification statement
Hazardous Waste Manifest (when necessary) None
☐ Unknown ☐ Other, please describe:
24b. Was an attempt made to transmit the information electronically to the PSAP dispatcher? (Yes (No
24c. Was the information successfully transmitted electronically to the dispatcher?
○ Yes ○ No, please explain why the electronic exchange was unsuccessful: ○
24d. Who electronically transmitted the information to the PSAP dispatcher?
 Driver Pilot Captain Conductor

Other, please identify:
☑ 24e. What information was transmitted electronically to the PSAP dispatcher? Please select all that apply:
☐ Air Waybill Number
☐ Basic description the HM
☐ Technical name of the HM
☐ Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
☐ Preliminary first aid measures
☐ Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
☐ UN identification number
☐ Hazard class or division number
☐ Packing group
☐ Tunnel restriction code
☐ Total quantity of material
☐ Number and type of packages
■ Name and address of the consignor (i.e., shipper)
■ Name and address of the consignee (i.e., receiver)
☐ Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
Unknown
Other, please describe:

Branching Information

- If not 26e. How long did it take for the PSAP dispatcher... = More than one hour, please identify total time in HH:MM format: then Hide 26e1. Provide information, if available, on the r...
- If 26e. How long did it take for the PSAP dispatcher... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 26e1. Provide information, if available, on the r...

25. What device(s) and electronic data exchange language were used to transmit the information to the PSAP dispatcher during the HM simulation?

25a. Device(s)select all that apply:
Personal digital assistants (PDAs)
☐ Vehicle laptops
☐ Workplace computers
Computer aid dispatch (CAD) terminals
■ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
□ Videos
Facsimile (FAX) machines
Live web cameras
☐ Pagers
Two-way radios
□ Walkie-talkies
☐ Tablets
Other, please identify:
None, no technology available
Unknown
The Children of the Children o
25b. Data exchange language:
Extensible Markup Language (XML)
Universal Business Language (UBL)
© Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify:
None, no electronic data was exchanged
Unknown
26. What device(s), electronic data exchange language, communication mechanism(s), and data format were used by the PSAF
dispatcher to receive the information during the HM simulation?
·
26a. Device(s)select all that apply:
Personal digital assistants (PDAs)
∇ehicle laptops
Computer aid dispatch (CAD) terminals
☐ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
□ Videos
Facsimile (FAX) machines
Live web cameras
☐ Pagers

Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
E 26b. Data exchange language: C Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
Zec. Mechanism(s) used for communicationselect all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: Unknown
26d. Data format: Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown
26e. How long did it take for the PSAP dispatcher to receive the information from the time it was first requested? Instantaneous 5 minutes or less 6 to 15 minutes 16 to 30 minutes 31 to 60 minutes More than one hour, please identify total time in HH:MM format:
26e1. Provide information, if available, on the reason for the delay in receipt of information:

Branching Information

☐ Tunnel restriction code☐ Total quantity of material☐ Number and type of packages

Name and address of the consignor (i.e., shipper)

- If not 27. Describe the electronic data exchange that occ... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27aa. If electronic data exchange was attempted b...
- If 27. Describe the electronic data exchange that occ... = No--An attempt was not made to provide HM information electronically. then Skip to Page 10
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a1. What information was transmitted electronic...
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a1. What information was transmitted electronic...
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a2. What device(s) did the driver/pilot/captain/...
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a3. What electronic data exchange language did ...
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a4. What device(s) did the emergency responders
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a5. What electronic data exchange language did ...
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a6. What mechanism(s) were used for communication
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a7. What data format was used for communication
- If not 27. Describe the electronic data exchange that occ... = Yes then Hide 27a8. How long did it take for the emergency resp...
- If 27a8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 27a8a. Provide information, if available, on the ...
- If not 27a8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 27a8a. Provide information, if available, on the ...

lide 27a8a. Provide information, if available, on the
27. Describe the electronic data exchange that occurred with the emergency responders prior to their arrival at the scene as part f the HM pilot test simulation: 27a. Was HM information provided electronically to the emergency responders prior to their arrival at ne scene by the driver/pilot/captain/conductor?
Yes
NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
27aa. If electronic data exchange was attempted but unsuccessful, please explain why:
Z 27a1. What information was transmitted electronically? Please select all that apply: □ 27a1. What information was transmitted electronically? Please select all that apply: □ 27a1. What information was transmitted electronically? Please select all that apply:
Air Waybill Number
Basic description the HM
Technical name of the HM
Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group

 Name and address of the consignee (i.e., receiver) □ Date shipping document was prepared or first given to a shipper □ Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any special stowage provisions □ Shipper's restrictions on the mode of transport and any necessary routing instructions □ Shipper's signed certification statement □ Hazardous Waste Manifest (when necessary) □ None □ Unknown □ Other, please describe:
27a2. What device(s) did the driver/pilot/captain/conductor use to transmit the information to the emergency responders? Select all that apply:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
27a3. What electronic data exchange language did the driver/pilot/captain/conductor use to transmit the information to the emergency responders?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown

☐ Tablets ☐ Other, please identify:
None, no technology available
☐ Unknown
27a5. What electronic data exchange language did the emergency responders use to receive the information?
Extensible Markup Language (XML)
Universal Business Language (UBL) Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify:
None, no electronic data was exchanged
C Unknown
☑ 27a6. What mechanism(s) were used for communication between the emergency responders and the driver/pilot/captain/conductor? Select all that apply:
■ Email
Direct device-to-device transmission
☐ Internet reference/link ☐ Facsimile (FAX) document
Audio transmission (e.g., via phone, radio, etc.)
Tother, please identify:
None, no communication occurred
☐ Unknown
27a7. What data format was used for communication between the emergency responders and the
driver/pilot/captain/conductor?
O Portable Document Format (pdf)
Tagged Image File Format (tiff)Joint Photographic Experts Group (jpeg)
Other, please identify:
None, no electronic data was exchanged
C Unknown
27a8. How long did it take for the emergency responders to receive the information from the time it was first requested?
C Instantaneous
© 5 minutes or less © 6 to 15 minutes
16 to 30 minutes
C 31 to 60 minutes
More than one hour, please identify total time in HH:MM format:
27a8a. Provide information, if available, on the reason for the delay in receipt of information:

- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b1. What information was transmitted electronic...
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b2. What device(s) did the PSAP dispatcher use t...
 - If not 27b. Was HM information provided electronically to... = Yes then Hide 27b3. What electronic data exchange language did
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b4. What device(s) did the emergency responders
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b5. What electronic data exchange language did
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b6. What mechanism(s) were used for communicatio...
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b7. What data format was used for communication
- If not 27b. Was HM information provided electronically to... = Yes then Hide 27b8. How long did it take for the emergency resp...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 11
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b1. What information was transmitted electronic...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b2. What device(s) did the PSAP dispatcher use t...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b3. What electronic data exchange language did ...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b4. What device(s) did the emergency responders ...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b5. What electronic data exchange language did ...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b6. What mechanism(s) were used for communicatio...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b7. What data format was used for communication ...
- If 27b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27b8. How long did it take for the emergency resp...
- If not 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27bb. If electronic data exchange was attempted b...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b1. What information was transmitted electronic...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b2. What device(s) did the PSAP dispatcher use t...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b3. What electronic data exchange language did ...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b4. What device(s) did the emergency responders ...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b5. What electronic data exchange language did ...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b6. What mechanism(s) were used for communicatio...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b7. What data format was used for communication ...
- If 27b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27b8. How long did it take for the emergency resp...
- If 27b8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 27b8a. Provide information, if available, on the ...
- If not 27b8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 27b8a. Provide information, if available, on the ...

27bb. If electronic data exchange was attempted but unsuccessful, please explain why: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 28bb. All All All All All All All All All Al	27b. Was HM information provided electronically to the emergency responders prior to their arrival at the scene by the PSAP dispatcher?
No-An attempt was not made to provide HM information electronically. No-An attempt was made to provide HM information electronically, but it was unsuccessful. 27bb. If electronic data exchange was attempted but unsuccessful, please explain why: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that apply: 27bb. What information was transmitted electronically? Please select all that please was explained was transmitted electronically? Please select all that please was explained was) Yes
No-An attempt was made to provide HM information electronically, but it was unsuccessful. 2 7bb. If electronic data exchange was attempted but unsuccessful, please explain why: 2 27b1. What information was transmitted electronically? Please select all that apply: 3 Air Waybill Number 3 Basic description the HM 4 Technical name of the HM 5 Technical name of the HM 6 Technical name of the HM 7 Proper shipping name 8 Immediate heazards to health 8 Risks of fire or explosion 9 Immediate precautions to be taken in an accident or incident 9 Immediate methods for handling fires, spills, or leaks 9 Tereliminary first aid measures 9 Emergency response assistance plan (ERAP) reference number 1 24-hour emergency response telephone number 1 Ability of the operator to contact the carrier in an incident involving HM 1 UN identification number 1 Hazard class or division number 1 Packing group 1 Turnel restriction code 1 Total quantity of material 1 Number and type of packages 1 Name and address of the consignor (i.e., shipper) 1 Name and address of the consignor (i.e., shipper) 2 Date shipping document was prepared or first given to a shipper 3 Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any pecial stowage provisions 1 Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any pecial stowage provisions 1 Shipper's signed certification statement 1 Hazardous Waste Manifest (when necessary) None 1 Unknown 1 Unknown 1 Unknown 2 27b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that pply: 2 27b2. What device(s) did the psaP dispatcher use to transmit the information to the emergency responders? Select all that pply: 1 Personal digital assistants (PDAs) 1 Werbicle laptops 1 Workplace computers 1 Computer aid dispatch (CAD) terminals 1 Hornorical manuers assistance and the manuers are provinced	
2 27b1. What information was transmitted electronically? Please select all that apply: Air Waybill Number Basic description the HM Technical name of the HM Proper shipping name Immediate hazards to health Pisks of fire or explosion Immediate precautions to be taken in an accident or incident Immediate precautions to be taken in an accident or incident Immediate precautions to be taken in an accident or incident Immediate precautions to be taken in an accident or incident Immediate methods for handling fires, spills, or leaks Preliminary first aid measures Emergency response assistance plan (ERAP) reference number 24-hour emergency response telephone number Ability of the operator to contact the carrier in an incident involving HM UN identification number Hazard class or division number Hazard class or division number Hazard class or division number Packing group Tunnel restriction code Total quantity of material Number and type of packages Name and address of the consignor (i.e., shipper) Name and address of the consignor (i.e., shipper) Date shipping document was prepared or first given to a shipper Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any pecial stowage provisions Shipper's signed certification statement Hazardous Waste Manifest (when necessary) None Unknown Other, please describe: Z 27b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that pply: Personal digital assistants (PDAs) Werkicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones	NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
Air Waybill Number Basic description the HM Technical name of the HM Proper shipping name Immediate hazards to health Risks of fire or explosion Immediate precautions to be taken in an accident or incident Immediate precautions to be taken in an accident or incident Immediate methods for handling fires, spills, or leaks Preliminary first aid measures Emergency response assistance plan (ERAP) reference number 24-hour emergency response telephone number Ability of the operator to contact the carrier in an incident involving HM UN identification number Hazard class or division number Packing group Tunnel restriction code Total quantity of material Number and type of packages Name and address of the consignor (i.e., shipper) Name and address of the consignee (i.e., receiver) Date shipping document was prepared or first given to a shipper Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any pecial stowage provisions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's signed certification statement Hazardous Waste Manifest (when necessary) None Unknown Other, please describe: 2 727b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that pply: Personal digital assistants (PDAs) Werkplace computers Computer aid dispatch (CAD) terminals Home computers Computer aid dispatch (CAD) terminals	27bb. If electronic data exchange was attempted but unsuccessful, please explain why:
Air Waybill Number Basic description the HM Technical name of the HM Proper shipping name Immediate hazards to health Risks of fire or explosion Immediate precautions to be taken in an accident or incident Immediate precautions to be taken in an accident or incident Immediate methods for handling fires, spills, or leaks Preliminary first aid measures Emergency response assistance plan (ERAP) reference number 24-hour emergency response telephone number Ability of the operator to contact the carrier in an incident involving HM UN identification number Hazard class or division number Packing group Tunnel restriction code Total quantity of material Number and type of packages Name and address of the consignor (i.e., shipper) Name and address of the consignee (i.e., receiver) Date shipping document was prepared or first given to a shipper Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any pecial stowage provisions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Shipper's restrictions on the mode of transport and any necessary routing instructions Cher, please describe: 2 727b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that pply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Carlotine telephones Cellular telephones	
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Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	Other, please describe:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	☑ 27b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that
Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	apply:
Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	Personal digital assistants (PDAs)
Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	
Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones	
Home computers Landline telephones Cellular telephones	
Landline telephones Cellular telephones	
Cellular telephones	Landline telephones
·	Cellular telephones
Smartphones	Smartphones
	Videos
Facsimile (FAX) machines	Facsimile (FAX) machines
	Live web cameras
Pagers	☐ Pagers

Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
27b3. What electronic data exchange language did the PSAP dispatcher use to transmit the information to the emergency responders?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
27b4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
27b5. What electronic data exchange language did the emergency responders use to receive the information? Extensible Markup Language (XML)
 Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
27b6. What mechanism(s) were used for communication between the emergency responders and the PSAP dispatcher? Select all that apply:
Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown

27b7. What data format was used for communication between the emergency responders and the PSAP dispatcher? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown
27b8. How long did it take for the emergency responders to receive the information from the time it was first requested? Instantaneous Inst

- If 27c. Was HM information provided electronically to... = Yes then Hide 27cc. If electronic data exchange was attempted b...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c1. What information was transmitted electronic...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c2. What device(s) did the shipper use to transm...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c3. What electronic data exchange language did ...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c4. What device(s) did the emergency responders
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c5. What electronic data exchange language did ...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c6. What mechanism(s) were used for communicatio...
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c7. What data format was used for communication
- If not 27c. Was HM information provided electronically to... = Yes then Hide 27c8. How long did it take for the emergency resp...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 12
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27cc. If electronic data exchange was attempted b...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c1. What information was transmitted electronic...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c2. What device(s) did the shipper use to transm...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c3. What electronic data exchange language did ...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c4. What device(s) did the emergency responders ...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c5. What electronic data exchange language did ...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c6. What mechanism(s) were used for communicatio...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c7. What data format was used for communication ...
- If 27c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27c8. How long did it take for the emergency resp...
- If not 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27cc. If electronic data exchange was attempted b...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c1. What information was transmitted electronic...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c2. What device(s) did the shipper use to transm...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c3. What electronic data exchange language did ...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c4. What device(s) did the emergency responders ...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c5. What electronic data exchange language did ...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c6. What mechanism(s) were used for communicatio...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c7. What data format was used for communication ...
- If 27c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27c8. How long did it take for the emergency resp...
- If 27c8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 27c8a. Provide information, if available, on the ...
- If not 27c8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 27c8a. Provide information, if available, on the ...

27c. Was HM information provided electronically to the emergency responders prior to their arrival at the scene by the shipper
○ Yes
NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
и_
27cc. If electronic data exchange was attempted but unsuccessful, please explain why:
☑ 27c1. What information was transmitted electronically? Please select all that apply:
☐ Air Waybill Number
☐ Basic description the HM
☐ Technical name of the HM
☐ Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packagesName and address of the consignor (i.e., shipper)
Name and address of the consignee (i.e., receiver)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
☐ Hazardous Waste Manifest (when necessary)
None
☐ Unknown
Other, please describe:
27c2. What device(s) did the shipper use to transmit the information to the emergency responders? Select all that apply:
Personal digital assistants (PDAs)
☐ Vehicle laptops
☐ Workplace computers
Computer aid dispatch (CAD) terminals
☐ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
☐ Videos
Facsimile (FAX) machines
Live web cameras
Pagers Pagers
Two-way radios
☐ Walkie-talkies

(Tagged Image File Format (tiff)
O Joint Photographic Experts Group (jpeg)
Other, please identify:
None, no electronic data was exchanged
C Unknown
27c8. How long did it take for the emergency responders to receive the information from the time it was first requested?
Instantaneous
5 minutes or less
C 6 to 15 minutes
C 16 to 30 minutes
31 to 60 minutes
More than one hour, please identify total time in HH:MM format:
🚰 27c8a. Provide information, if available, on the reason for the delay in receipt of information:

Branching Information

- If 27d. Was HM information provided electronically to... = Yes then Hide 27dd. If electronic data exchange was attempted b...
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d1. What information was transmitted electronic...
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d2. What device(s) did the carrier use to transm...
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d3. What electronic data exchange language did

..

- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d4. What device(s) did the emergency responders
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d5. What electronic data exchange language did
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d6. What mechanism(s) were used for communicatio...
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d7. What data format was used for communication
- If not 27d. Was HM information provided electronically to... = Yes then Hide 27d8. How long did it take for the emergency resp...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 13
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27dd. If electronic data exchange was attempted b...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d1. What information was transmitted electronic...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d2. What device(s) did the carrier use to transm...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d3. What electronic data exchange language did ...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d4. What device(s) did the emergency responders ...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d5. What electronic data exchange language did ...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d6. What mechanism(s) were used for communicatio...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d7. What data format was used for communication ...
- If 27d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27d8. How long did it take for the emergency resp...
- If not 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27dd. If electronic data exchange was attempted b...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d1. What information was transmitted electronic...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d2. What device(s) did the carrier use to transm...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d3. What electronic data exchange language did ...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d4. What device(s) did the emergency responders ...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d5. What electronic data exchange language did ...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d6. What mechanism(s) were used for communicatio...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d7. What data format was used for communication ...
- If 27d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27d8. How long did it take for the emergency resp...
- If 27d8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 27d8a. Provide information, if available, on the ...

Hide 27d8a. Provide information, if available, on the
27d. Was HM information provided electronically to the emergency responders prior to their arrival at the scene by the carrier
○ Yes
NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
, and the same of process of proc
4 27dd. If electronic data exchange was attempted but unsuccessful, please explain why:
☐ Air Waybill Number
Basic description the HM
Technical name of the HM
Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate precautions to be taken in an accident of incident
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packages
Name and address of the consignor (i.e., shipper)
Name and address of the consigner (i.e., snipper)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
Unknown
Other, please describe:
entor, produce decorrise.
27d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply:
Personal digital assistants (PDAs)
☐ Vehicle laptops
☐ Workplace computers
Computer aid dispatch (CAD) terminals
☐ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
☐ Videos
Facsimile (FAX) machines
☐ Live web cameras
☐ Pagers

• If not 27d8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then

 Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
■ 27d3. What electronic data exchange language did the carrier use to transmit the information to the emergency responders?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
■ 27d4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
27d5. What electronic data exchange language did the emergency responders use to receive the information?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
27d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply:
Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown
27d7. What data format was used for communication between the emergency responders and the carrier?

 Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown
27d8. How long did it take for the emergency responders to receive the information from the time it was first requested?
○ Instantaneous
5 minutes or less
C 6 to 15 minutes
C 16 to 30 minutes
C 31 to 60 minutes
More than one hour, please identify total time in HH:MM format:
🛂 27d8a. Provide information, if available, on the reason for the delay in receipt of information:

- If 27e. Was HM information provided electronically to... = Yes then Hide 27ee. If electronic data exchange was attempted b...
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e1. What information was transmitted electronic...
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e2. What device(s) did the other source use to t...
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e3. What electronic data exchange language did
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e4. What device(s) did the emergency responders
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e5. What electronic data exchange language did
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e6. What mechanism(s) were used for communicatio...
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e7. What data format was used for communication
- If not 27e. Was HM information provided electronically to... = Yes then Hide 27e8. How long did it take for the emergency resp...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 14
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27ee. If electronic data exchange was attempted b...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e1. What information was transmitted electronic...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e2. What device(s) did the other source use to t...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e3. What electronic data exchange language did ...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e4. What device(s) did the emergency responders ...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e5. What electronic data exchange language did ...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e6. What mechanism(s) were used for communicatio...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e7. What data format was used for communication ...
- If 27e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 27e8. How long did it take for the emergency resp...
- If not 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27ee. If electronic data exchange was attempted b...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e1. What information was transmitted electronic...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e2. What device(s) did the other source use to t...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e3. What electronic data exchange language did ...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e4. What device(s) did the emergency responders ...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful, then Hide 27e5. What electronic data exchange language did ...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e6. What mechanism(s) were used for communicatio...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e7. What data format was used for communication ...
- If 27e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 27e8. How long did it take for the emergency resp...
- If 27e8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 27e8a. Provide information, if available, on the ...

• If not 27e8. How long did it take for the emergency resp = More than one hour, please identify total time in HH:MM format: the Hide 27e8a. Provide information, if available, on the	t: then
27e. Was HM information provided electronically to the emergency responders prior to their arrival at the scene by a source other than the driver/pilot/captain/conductor, PSAP dispatcher, shipper, or carrier?	
C Yes	
NoAn attempt was not made to provide HM information electronically. NoAn attempt was made to provide HM information electronically, but it was unsuccessful.	
27ee. If electronic data exchange was attempted but unsuccessful, please explain why:	
<u> </u>	
☑ 27e1. What information was transmitted electronically? Please select all that apply:	
Air Waybill Number	
Basic description the HM	
Technical name of the HM	
☐ Proper shipping name ☐ Immediate hazards to health	
Risks of fire or explosion	
Immediate precautions to be taken in an accident or incident	
Immediate methods for handling fires, spills, or leaks	
☐ Preliminary first aid measures	
Emergency response assistance plan (ERAP) reference number	
24-hour emergency response telephone number	
☐ Ability of the operator to contact the carrier in an incident involving HM	
■ UN identification number	
Hazard class or division number	
Packing group	
Tunnel restriction code	
Total quantity of material	
Number and type of packages	
☐ Name and address of the consignor (i.e., shipper) ☐ Name and address of the consignee (i.e., receiver)	
Date shipping document was prepared or first given to a shipper	
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any	
special stowage provisions	
☐ Shipper's restrictions on the mode of transport and any necessary routing instructions	
☐ Hazardous Waste Manifest (when necessary)	
■ None	
■ Unknown	
Other, please describe:	
☑ 27e2. What device(s) did the other source use to transmit the information to the emergency responders? Select all that apply:	
Personal digital assistants (PDAs)	
Workplace computers	
Computer aid dispatch (CAD) terminals	
Home computers	
Landline telephones	
Cellular telephones	
☐ Smartphones ☐ Videos	
Facsimile (FAX) machines	
Live web cameras	

□ Pagers □ Two-way radios □ Walkie-talkies □ Tablets □ Other, please identify: □ None, no technology available □ Unknown
27e3. What electronic data exchange language did the other source use to transmit the information to the emergency responders?
Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
■ 27e4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
27e5. What electronic data exchange language did the emergency responders use to receive the information?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
27e6. What mechanism(s) were used for communication between the emergency responders and the other source? Select all that apply:
Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown

27e7. What data format was used for communication between the emergency responders and the other source?
O Portable Document Format (pdf)
Tagged Image File Format (tiff)
Joint Photographic Experts Group (jpeg)
Other, please identify:
None, no electronic data was exchanged
Unknown
27e8. How long did it take for the emergency responders to receive the information from the time it was first requested?
Instantaneous
© 5 minutes or less
© 6 to 15 minutes
16 to 30 minutes
© 31 to 60 minutes
More than one hour, please identify total time in HH:MM format:
4 27e8a. Provide information, if available, on the reason for the delay in receipt of information:
<u> </u>
<u> </u>

Branching Information

Air Waybill NumberBasic description the HM

- If 28. Describe the electronic data exchange tha... = Yes then Hide 28aa. If electronic data exchange was attempted b...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a1. What information was transmitted electronic...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a2. What device(s) did the driver/pilot/captain/...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a3. What electronic data exchange language did ...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a4. What device(s) did the emergency responders ...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a5. What electronic data exchange language did ...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a6. What mechanism(s) were used for communicatio...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a7. What data format was used for communication ...
- If not 28. Describe the electronic data exchange tha... = Yes then Hide 28a8. How long did it take for the emergency resp...
- If 28. Describe the electronic data exchange tha... = No--An attempt was not made to provide HM information electronically. then Skip to Page 15
- If 28. Describe the electronic data exchange tha... = No--An attempt was not made to provide HM information electronically. then Hide 28aa. If electronic data exchange was attempted b...
- If 28. Describe the electronic data exchange tha... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Skip to Page 15
- If not 28. Describe the electronic data exchange tha... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 28aa. If electronic data exchange was attempted b...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a1. What information was transmitted electronic...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a2. What device(s) did the driver/pilot/captain/...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a3. What electronic data exchange language did ...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a4. What device(s) did the emergency responders ...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a5. What electronic data exchange language
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a6. What mechanism(s) were used for communicatio...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a7. What data format was used for communication ...
- If 28. Describe the electronic data exchange tha... is one of [u'1', u'2'] then Hide 28a8. How long did it take for the emergency resp...
- If 28a8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 28a8a. Provide information, if available, on the ...
- If not 28a8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 28a8a. Provide information, if available, on the ...

28. Describe the electronic data exchange that occurred with the emergency responders at the scene as part of the HM pilot test simulation: 28a. Was HM information provided electronically to the emergency responders at the scene by the
driver/pilot/captain/conductor?
C Yes
NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
28aa. If electronic data exchange was attempted but unsuccessful, please explain why:

28a1. What information was transmitted electronically? Please select all that apply:

□ Technical name of the HM
☐ Proper shipping name
☐ Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
☐ Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
☐ UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packages
Name and address of the consignor (i.e., shipper)
Name and address of the consignee (i.e., receiver)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
☐ Unknown
☐ Other, please describe:
☐ Unknown
28a3. What electronic data exchange language did the driver/pilot/captain/conductor use to transmit the information to the emergency responders? © Extensible Markup Language (XML)
Universal Business Language (UBL)
C Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify:
None, no electronic data was exchanged
minorie, no electronic data was exchanged

Unknown
■ 28a4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs)
∇ehicle laptops Workplace computers
Computer aid dispatch (CAD) terminals
Home computers
☐ Landline telephones
Cellular telephones
Smartphones
Videos Foodingite (FAX) modelines
☐ Facsimile (FAX) machines ☐ Live web cameras
☐ Pagers
☐ Two-way radios
☐ Walkie-talkies
Tablets
Other, please identify:
☐ None, no technology available ☐ Unknown
J. CHRIOWII
28a5. What electronic data exchange language did the emergency responders use to receive the information?
Extensible Markup Language (XML)
Universal Business Language (UBL)
Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify: None, no electronic data was exchanged
Unknown
■ 28a6. What mechanism(s) were used for communication between the emergency responders and the
driver/pilot/captain/conductor? Select all that apply:
Email
☐ Direct device-to-device transmission ☐ Internet reference/link
Facsimile (FAX) document
Audio transmission (e.g., via phone, radio, etc.)
Other, please identify:
None, no communication occurred
Unknown
■ 28a7. What data format was used for communication between the emergency responders and the
driver/pilot/captain/conductor?
O Portable Document Format (pdf)
Tagged Image File Format (tiff)
O Joint Photographic Experts Group (jpeg)
Other, please identify:
None, no electronic data was exchanged Unknown
Olikilowii
28a8. How long did it take for the emergency responders to receive the information from the time it was first requested?
Instantaneous
5 minutes or less
6 to 15 minutes
16 to 30 minutes

31 to 60 minutesMore than one hour, please identify total time in HH:MM format:
🙀 28a8a. Provide information, if available, on the reason for the delay in receipt of information:

- If 28b. Was HM information provided electronically to... = Yes then Hide 28bb. If electronic data exchange was attempted b...
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b1. What information was transmitted electronic...
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b2. What device(s) did the PSAP dispatcher use t...
 - If not 28b. Was HM information provided electronically to... = Yes then Hide 28b3. What electronic data exchange language did
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b4. What device(s) did the emergency responders
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b5. What electronic data exchange language did
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b6. What mechanism(s) were used for communicatio...
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b7. What data format was used for communication
- If not 28b. Was HM information provided electronically to... = Yes then Hide 28b8. How long did it take for the emergency resp...
- If 28b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 16
- If 28b. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 28bb. If electronic data exchange was attempted b...
- If 28b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Skip to Page 16
- If not 28b. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 28bb. If electronic data exchange was attempted b...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b1. What information was transmitted electronic...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b2. What device(s) did the PSAP dispatcher use t...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b3. What electronic data exchange language did ...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b4. What device(s) did the emergency responders ...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b5. What electronic data exchange language did ...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b6. What mechanism(s) were used for communicatio...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b7. What data format was used for communication ...
- If 28b. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28b8. How long did it take for the emergency resp...
- If 28b8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 28b8a. Provide information, if available, on the ...
- If not 28b8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 28b8a. Provide information, if available, on the ...

28b. Was HM information provided electronically to the emergency responders at the scene by the PSAP dispatcher?
Yes NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
28bb. If electronic data exchange was attempted but unsuccessful, please explain why:

☐ Air Waybill Number
Basic description the HM
Technical name of the HM
Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packages Neme and address of the consigner (i.e. shipper)
Name and address of the consignor (i.e., shipper)Name and address of the consignee (i.e., receiver)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
Unknown
☐ Unknown ☐ Other, please describe:
Other, please describe:
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply:
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs)
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras
Other, please describe:
Other, please describe: 28b2. What device(s) did the PSAP dispatcher use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets
Other, please describe:

 United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
■ 28b4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown
28b5. What electronic data exchange language did the emergency responders use to receive the information?
Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
28b6. What mechanism(s) were used for communication between the emergency responders and the PSAP dispatcher? Select all that apply:
 Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown
28b7. What data format was used for communication between the emergency responders and the PSAP dispatcher?
 Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown
28b8. How long did it take for the emergency responders to receive the information from the time it was first requested? Instantaneous 5 minutes or less

 € to 15 minutes 16 to 30 minutes 31 to 60 minutes More than one hour, please identify total time in HH:MM format:
28b8a. Provide information, if available, on the reason for the delay in receipt of information:

Branching Information

- If 28c. Was HM information provided electronically to... = Yes then Hide 28cc. If electronic data exchange was attempted b...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c1. What information was transmitted electronic...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c2. What device(s) did the shipper use to transm...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c3. What electronic data exchange language did ...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c4. What device(s) did the emergency responders
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c5. What electronic data exchange language did ...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c6. What mechanism(s) were used for communicatio...
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c7. What data format was used for communication
- If not 28c. Was HM information provided electronically to... = Yes then Hide 28c8. How long did it take for the emergency resp...
- If 28c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 17
- If 28c. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 28cc. If electronic data exchange was attempted b...
- If 28c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Skip to Page 17
- If not 28c. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 28cc. If electronic data exchange was attempted b...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c1. What information was transmitted electronic...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c2. What device(s) did the shipper use to transm...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c3. What electronic data exchange language did ...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c4. What device(s) did the emergency responders ...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c5. What electronic data exchange language did ...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c6. What mechanism(s) were used for communicatio...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c7. What data format was used for communication ...
- If 28c. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28c8. How long did it take for the emergency resp...
- If 28c8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 28c8a. Provide information, if available, on the ...
- If not 28c8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 28c8a. Provide information, if available, on the ...

28c. Was HM information provided electronically to the emergency responders at the scene by the shipper?
Yes
NoAn attempt was not made to provide HM information electronically. NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
28cc. If electronic data exchange was attempted but unsuccessful, please explain why:
■ 28c1. What information was transmitted electronically? Please select all that apply:
Air Waybill Number

☐ Basic description the HM
☐ Technical name of the HM
☐ Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
☐ Preliminary first aid measures
☐ Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packages
Name and address of the consignor (i.e., shipper)
Name and address of the consignee (i.e., receiver)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
Unknown
Other, please describe:
28c2. What device(s) did the shipper use to transmit the information to the emergency responders? Select all that apply:
Personal digital assistants (PDAs)
☐ Vehicle laptops
☐ Workplace computers
Computer aid dispatch (CAD) terminals
☐ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
☐ Videos
Facsimile (FAX) machines
Live web cameras
□ Pagers
☐ Two-way radios
☐ Walkie-talkies
☐ Tablets
Other, please identify:
□ None, no technology available
☐ Unknown
- Childian
28c3. What electronic data exchange language did the shipper use to transmit the information to the emergency responders?
Extensible Markup Language (XML)
Universal Business Language (UBL)
C Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)Other, please identify:
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)

28c4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs)
☐ Vehicle laptops
☐ Workplace computers
Computer aid dispatch (CAD) terminals
☐ Home computers
☐ Landline telephones
Cellular telephones
☐ Smartphones
□ Videos
Facsimile (FAX) machines
Live web cameras
□ Pagers
Two-way radios
Walkie-talkies
☐ Tablets
Other, please identify:
None, no technology available
Unknown
) OHKHOWH
28c5. What electronic data exchange language did the emergency responders use to receive the information?
Extensible Markup Language (XML)
Universal Business Language (UBL)
Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify:
None, no electronic data was exchanged
Unknown
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that
28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply:
 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: Email
 ✓ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ☐ Email ☐ Direct device-to-device transmission ☐ Internet reference/link
 ✓ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ☐ Email ☐ Direct device-to-device transmission ☐ Internet reference/link ☐ Facsimile (FAX) document
 ✓ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ✓ Email ✓ Direct device-to-device transmission ✓ Internet reference/link ✓ Facsimile (FAX) document ✓ Audio transmission (e.g., via phone, radio, etc.)
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify:
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify:
28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28c7. What data format was used for communication between the emergency responders and the shipper?
28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28c7. What data format was used for communication between the emergency responders and the shipper? Portable Document Format (pdf)
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ■ Portable Document Format (pdf) ■ Tagged Image File Format (tiff)
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ■ Portable Document Format (pdf) ■ Tagged Image File Format (tiff) ■ Joint Photographic Experts Group (jpeg)
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ● Portable Document Format (pdf) ■ Tagged Image File Format (tiff) ■ Joint Photographic Experts Group (jpeg) ● Other, please identify:
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ● Portable Document Format (pdf) ■ Tagged Image File Format (tiff) ■ Joint Photographic Experts Group (jpeg) ● Other, please identify:
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email
28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28c7. What data format was used for communication between the emergency responders and the shipper? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown
28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28c7. What data format was used for communication between the emergency responders and the shipper? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown 28c8. How long did it take for the emergency responders to receive the information from the time it was first requested?
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ■ Portable Document Format (pdf) ■ Tagged Image File Format (tiff) ■ Joint Photographic Experts Group (jpeg) ■ Other, please identify: ■ None, no electronic data was exchanged ■ Unknown ■ 28c8. How long did it take for the emergency responders to receive the information from the time it was first requested? ■ Instantaneous ■ 5 minutes or less ■ 6 to 15 minutes
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email
■ 28c6. What mechanism(s) were used for communication between the emergency responders and the shipper? Select all that apply: ■ Email ■ Direct device-to-device transmission ■ Internet reference/link ■ Facsimile (FAX) document ■ Audio transmission (e.g., via phone, radio, etc.) ■ Other, please identify: ■ None, no communication occurred ■ Unknown ■ 28c7. What data format was used for communication between the emergency responders and the shipper? ■ Portable Document Format (pdf) ■ Tagged Image File Format (tiff) ■ Joint Photographic Experts Group (jpeg) ■ Other, please identify: ■ None, no electronic data was exchanged ■ Unknown ■ 28c8. How long did it take for the emergency responders to receive the information from the time it was first requested? ■ Instantaneous ■ 5 minutes or less ■ 6 to 15 minutes

🕺 28c8a. Provide information, if available, on the reason for the dela	ay in receipt of information:

Branching Information

- If 28d. Was HM information provided electronically to... = Yes then Hide 28dd. If electronic data exchange was attempted b...
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d1. What information was transmitted electronic...
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d2. What device(s) did the carrier use to transm...
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d3. What electronic data exchange language did

..
• If not 28d. Was HM information provided electronically to... = Yes then Hide 28d4. What device(s) did the emergency responders

- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d5. What electronic data exchange language did
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d6. What mechanism(s) were used for communicatio...
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d7. What data format was used for communication
- If not 28d. Was HM information provided electronically to... = Yes then Hide 28d8. How long did it take for the emergency resp...
- If 28d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 18
- If 28d. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 28dd. If electronic data exchange was attempted b...
- If 28d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Skip to Page 18
- If not 28d. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful, then Hide 28dd. If electronic data exchange was attempted b...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d1. What information was transmitted electronic...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d2. What device(s) did the carrier use to transm...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d3. What electronic data exchange language did ...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d4. What device(s) did the emergency responders ...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d5. What electronic data exchange language did ...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d6. What mechanism(s) were used for communicatio...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d7. What data format was used for communication ...
- If 28d. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28d8. How long did it take for the emergency resp...
- If 28d8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 28d8a. Provide information, if available, on the ...
- If not 28d8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 28d8a. Provide information, if available, on the ...

28d. Was HM information provided electronically to the emergency responders at the scene by the carrier?
Yes NoAn attempt was not made to provide HM information electronically.
NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
🛂 28dd. If electronic data exchange was attempted but unsuccessful, please explain why:

28d1. What information was transmitted electronically? Please select all that apply:

Air Waybill Number
Basic description the HM
Technical name of the HM
Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate methods for handling fires, spills, or leaks
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone number
Ability of the operator to contact the carrier in an incident involving HM UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
Total quantity of material
Number and type of packages
■ Name and address of the consignor (i.e., shipper)
Name and address of the consignee (i.e., receiver)
■ Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
☐ Shipper's signed certification statement
☐ Hazardous Waste Manifest (when necessary)
■ None
■ Unknown
Other, please describe:
Cutor, please accorde:
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs)
 ✓ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ✓ Personal digital assistants (PDAs) ✓ Vehicle laptops
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines
■ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ■ Personal digital assistants (PDAs) ■ Vehicle laptops ■ Workplace computers ■ Computer aid dispatch (CAD) terminals ■ Home computers ■ Landline telephones ■ Cellular telephones ■ Smartphones ■ Videos ■ Facsimile (FAX) machines ■ Live web cameras
✓ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ☐ Personal digital assistants (PDAs) ☐ Vehicle laptops ☐ Workplace computers ☐ Computer aid dispatch (CAD) terminals ☐ Home computers ☐ Landline telephones ☐ Cellular telephones ☐ Smartphones ☐ Videos ☐ Facsimile (FAX) machines ☐ Live web cameras ☐ Pagers
■ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ■ Personal digital assistants (PDAs) ■ Vehicle laptops ■ Workplace computers ■ Computer aid dispatch (CAD) terminals ■ Home computers ■ Landline telephones ■ Cellular telephones ■ Smartphones ■ Videos ■ Facsimile (FAX) machines ■ Live web cameras
✓ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ☐ Personal digital assistants (PDAs) ☐ Vehicle laptops ☐ Workplace computers ☐ Computer aid dispatch (CAD) terminals ☐ Home computers ☐ Landline telephones ☐ Cellular telephones ☐ Smartphones ☐ Videos ☐ Facsimile (FAX) machines ☐ Live web cameras ☐ Pagers ☐ Two-way radios
■ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ■ Personal digital assistants (PDAs) ■ Vehicle laptops ■ Workplace computers ■ Computer aid dispatch (CAD) terminals ■ Home computers ■ Landline telephones ■ Cellular telephones ■ Smartphones ■ Videos ■ Facsimile (FAX) machines ■ Live web cameras ■ Pagers ■ Two-way radios ■ Walkie-talkies
☑ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ☐ Personal digital assistants (PDAs) ☐ Vehicle laptops ☐ Workplace computers ☐ Computer aid dispatch (CAD) terminals ☐ Home computers ☐ Landline telephones ☐ Cellular telephones ☐ Smartphones ☐ Videos ☐ Facsimile (FAX) machines ☐ Live web cameras ☐ Pagers ☐ Two-way radios ☐ Walkie-talkies ☐ Tablets
☑ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ☐ Personal digital assistants (PDAs) ☐ Vehicle laptops ☐ Workplace computers ☐ Computer aid dispatch (CAD) terminals ☐ Home computers ☐ Landline telephones ☐ Cellular telephones ☐ Smartphones ☐ Videos ☐ Facsimile (FAX) machines ☐ Live web cameras ☐ Pagers ☐ Two-way radios ☐ Walkie-talkies ☐ Tablets ☐ Other, please identify:
■ 28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: ■ Personal digital assistants (PDAs) ■ Vehicle laptops ■ Workplace computers ■ Computer aid dispatch (CAD) terminals ■ Home computers ■ Landline telephones ■ Cellular telephones ■ Smartphones ■ Videos ■ Facsimile (FAX) machines ■ Live web cameras ■ Pagers ■ Two-way radios ■ Walkie-talkies ■ Tablets ■ Other, please identify: ■ None, no technology available ■ Unknown
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown 28d3. What electronic data exchange language did the carrier use to transmit the information to the emergency responders? Extensible Markup Language (XML) Universal Business Language (UBL)
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown 28d3. What electronic data exchange language did the carrier use to transmit the information to the emergency responders? Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI)
28d2. What device(s) did the carrier use to transmit the information to the emergency responders? Select all that apply: Personal digital assistants (PDAs) Vehicle laptops Workplace computers Computer aid dispatch (CAD) terminals Home computers Landline telephones Cellular telephones Smartphones Videos Facsimile (FAX) machines Live web cameras Pagers Two-way radios Walkie-talkies Tablets Other, please identify: None, no technology available Unknown 28d3. What electronic data exchange language did the carrier use to transmit the information to the emergency responders? Extensible Markup Language (XML) Universal Business Language (UBL)

Unknown
■ 28d4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs)
Vehicle laptops Werkplace computers
☐ Workplace computers☐ Computer aid dispatch (CAD) terminals
Home computers
☐ Landline telephones
Cellular telephones
Smartphones Video
☐ Videos ☐ Facsimile (FAX) machines
Live web cameras
☐ Pagers
Two-way radios
☐ Walkie-talkies ☐ Tablets
Other, please identify:
■ None, no technology available
☐ Unknown
28d5. What electronic data exchange language did the emergency responders use to receive the information?
Extensible Markup Language (XML)
Universal Business Language (UBL) Electronic Data Interchange (EDI)
United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT)
Other, please identify:
None, no electronic data was exchanged
Unknown
Unknown■ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that
 Unknown ■ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply:
 Unknown 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email
 Unknown ≥ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission
 Unknown ≥ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link
 Unknown ≥ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission
 Unknown ≥ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify:
 Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred
 Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown
 Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown ≥ 28d7. What data format was used for communication between the emergency responders and the carrier?
 ☑ Unknown ☑ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: ☐ Email ☐ Direct device-to-device transmission ☐ Internet reference/link ☐ Facsimile (FAX) document ☐ Audio transmission (e.g., via phone, radio, etc.) ☐ Other, please identify: ☐ None, no communication occurred ☐ Unknown ☑ 28d7. What data format was used for communication between the emergency responders and the carrier? ☐ Portable Document Format (pdf)
 ☑ Unknown ☑ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: ☐ Email ☐ Direct device-to-device transmission ☐ Internet reference/link ☐ Facsimile (FAX) document ☐ Audio transmission (e.g., via phone, radio, etc.) ☐ Other, please identify: ☐ None, no communication occurred ☐ Unknown ☑ 28d7. What data format was used for communication between the emergency responders and the carrier? ☐ Portable Document Format (pdf) ☐ Tagged Image File Format (tiff) ☐ Joint Photographic Experts Group (jpeg)
C Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28d7. What data format was used for communication between the emergency responders and the carrier? O Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: ———————————————————————————————————
C Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28d7. What data format was used for communication between the emergency responders and the carrier? Oportable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged
C Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown 28d7. What data format was used for communication between the emergency responders and the carrier? O Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: ———————————————————————————————————
Unknown ✓ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown E 28d7. What data format was used for communication between the emergency responders and the carrier? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown E 28d8. How long did it take for the emergency responders to receive the information from the time it was first requested?
Unknown ☑ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown ☑ 28d7. What data format was used for communication between the emergency responders and the carrier? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown ☑ 28d8. How long did it take for the emergency responders to receive the information from the time it was first requested? Instantaneous
Unknown ☑ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: ☐ Email ☐ Direct device-to-device transmission ☐ Internet reference/link ☐ Facsimile (FAX) document ☐ Audio transmission (e.g., via phone, radio, etc.) ☐ Other, please identify: ☐ None, no communication occurred ☐ Unknown ☑ 28d7. What data format was used for communication between the emergency responders and the carrier? ☐ Portable Document Format (pdf) ☐ Tagged Image File Format (tiff) ☐ Joint Photographic Experts Group (jpeg) ☐ Other, please identify: ☐ None, no electronic data was exchanged ☐ Unknown ☐ 28d8. How long did it take for the emergency responders to receive the information from the time it was first requested? ☐ Instantaneous ☐ 5 minutes or less
Unknown ☑ 28d6. What mechanism(s) were used for communication between the emergency responders and the carrier? Select all that apply: Email Direct device-to-device transmission Internet reference/link Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.) Other, please identify: None, no communication occurred Unknown ☑ 28d7. What data format was used for communication between the emergency responders and the carrier? Portable Document Format (pdf) Tagged Image File Format (tiff) Joint Photographic Experts Group (jpeg) Other, please identify: None, no electronic data was exchanged Unknown ☑ 28d8. How long did it take for the emergency responders to receive the information from the time it was first requested? Instantaneous

More than one hour, please identify total time in HH:MM format:
28d8a. Provide information, if available, on the reason for the delay in receipt of information:

Branching Information

- If 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28ee. If electronic data exchange was attempted b...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e1. What information was transmitted electronic...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e2. What device(s) did the other source use to t...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e3. What electronic data exchange language did ...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e4. What device(s) did the emergency responders ...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e5. What electronic data exchange language did ...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e6. What mechanism(s) were used for communicatio...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e7. What data format was used for communication ...
- If not 28e. Was HM information provided electronically to... = Yes, identify source: then Hide 28e8. How long did it take for the emergency resp...
- If 28e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Skip to Page 19
- If 28e. Was HM information provided electronically to... = No--An attempt was not made to provide HM information electronically. then Hide 28ee. If electronic data exchange was attempted b...
- If 28e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Skip to Page 19
- If not 28e. Was HM information provided electronically to... = No--An attempt was made to provide HM information electronically, but it was unsuccessful. then Hide 28ee. If electronic data exchange was attempted b...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e1. What information was transmitted electronic...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e2. What device(s) did the other source use to t...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e3. What electronic data exchange language did ...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e4. What device(s) did the emergency responders ...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e5. What electronic data exchange language did ...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e6. What mechanism(s) were used for communicatio...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e7. What data format was used for communication ...
- If 28e. Was HM information provided electronically to... is one of [u'1', u'2'] then Hide 28e8. How long did it take for the emergency resp...
- If 28e8. How long did it take for the emergency resp... is one of [u'0', u'1', u'2', u'3', u'4'] then Hide 28e8a. Provide information, if available, on the ...
- If not 28e8. How long did it take for the emergency resp... = More than one hour, please identify total time in HH:MM format: then Hide 28e8a. Provide information, if available, on the ...

28e. Was HM information provided electronically to the emergency responders at the scene by a source other than the driver/pilot/captain/conductor, PSAP dispatcher, shipper, or carrier?
Yes, identify source: NoAn attempt was not made to provide HM information electronically. NoAn attempt was made to provide HM information electronically, but it was unsuccessful.
7 28ee. If electronic data exchange was attempted but unsuccessful, please explain why:

■ 28e1. What information was transmitted electronically? Please select all that apply:
☐ Air Waybill Number
☐ Basic description the HM
Technical name of the HM
Proper shipping name
Immediate hazards to health
Risks of fire or explosion
Immediate precautions to be taken in an accident or incident
Immediate precautions to be taken in an accident of incident
Preliminary first aid measures
Emergency response assistance plan (ERAP) reference number
24-hour emergency response telephone numberAbility of the operator to contact the carrier in an incident involving HM
UN identification number
Hazard class or division number
Packing group
Tunnel restriction code
☐ Total quantity of material
Number and type of packages
☐ Name and address of the consignor (i.e., shipper)
Name and address of the consignee (i.e., receiver)
Date shipping document was prepared or first given to a shipper
Shipper's statement or supplementary requirements for loading, stowage, carriage, handling, and unloading, including any
special stowage provisions
Shipper's restrictions on the mode of transport and any necessary routing instructions
Shipper's signed certification statement
Hazardous Waste Manifest (when necessary)
None
☐ Unknown
Other, please describe:
■ 28e2. What device(s) did the other source use to transmit the information to the emergency responders? Select all that apply
Personal digital assistants (PDAs)
Vehicle laptops
Workplace computers
Computer aid dispatch (CAD) terminals
Home computers
☐ Landline telephones
☐ Cellular telephones
☐ Smartphones
□ Videos
Facsimile (FAX) machines
Live web cameras
☐ Pagers
☐ Two-way radios
☐ Walkie-talkies
☐ Tablets
Other, please identify:
None, no technology available
Unknown
28e3. What electronic data exchange language did the other source use to transmit the information to the emergency

responders?

 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
28e4. What device(s) did the emergency responders use to receive the information? Select all that apply:
Personal digital assistants (PDAs)
Workplace computers
Computer aid dispatch (CAD) terminals
Home computers
Landline telephones
☐ Cellular telephones ☐ Smartphones
Videos
Facsimile (FAX) machines
Live web cameras
□ Pagers
☐ Two-way radios
☐ Walkie-talkies
Tablets
Other, please identify:
☐ None, no technology available ☐ Unknown
J. CHRIOWII
28e5. What electronic data exchange language did the emergency responders use to receive the information?
 Extensible Markup Language (XML) Universal Business Language (UBL) Electronic Data Interchange (EDI) United Nations/Electronic Data Interchange For Administration, Commerce and Transport (UN/EDIFACT) Other, please identify: None, no electronic data was exchanged Unknown
28e6. What mechanism(s) were used for communication between the emergency responders and the other source? Select all that apply:
Email
Direct device-to-device transmission
Internet reference/link
Facsimile (FAX) document Audio transmission (e.g., via phone, radio, etc.)
Other, please identify:
None, no communication occurred
☐ Unknown
28e7. What data format was used for communication between the emergency responders and the other source?
Portable Document Format (pdf)
Tagged Image File Format (tiff)
Joint Photographic Experts Group (jpeg)
Other, please identify: None, no electronic data was exchanged
Unknown
28e8. How long did it take for the emergency responders to receive the information from the time it was first requested?

Instantaneous
5 minutes or less
6 to 15 minutes
16 to 30 minutes
C 31 to 60 minutes
More than one hour, please identify total time in HH:MM format:
4 28e8a. Provide information, if available, on the reason for the delay in receipt of information:

Branching Information

- If 29. Was the information collected electronically ... = No then Skip to Page 20
- If not 29. Was the information collected electronically ... = Yes then Hide 30. Did the emergency responders review the HM da...
- If not 29. Was the information collected electronically ... = Yes then Hide 31. Did the electronic information match that rec...
- If not 29. Was the information collected electronically ... = Yes then Hide 32. Did the electronic information accurately ref...
- If not 29. Was the information collected electronically ... = Yes then Hide 33. Did your agency/organization identify any ben...
- If not 30. Did the emergency responders review the HM da... = Yes then Hide 30a. Describe the process the emergency

 If not 31. Did the electronic information match that rec = No then Hide 31a. Describe the discrepancies: If not 32. Did the electronic information accurately ref = No then Hide 32a. Describe the discrepancies: If not 33. Did your agency/organization identify any ben = Yes then Hide 33a. Which of the following benefits related to e If not 33. Did your agency/organization identify any ben = Yes then Hide 33b. Describe the benefit(s):
29. Was the information collected electronically by the emergency responders during the HM simulation?
C Yes No
30. Did the emergency responders review the HM data received electronically during the simulation for accuracy and completeness?
✓ Yes✓ No✓ Unknown
4 30a. Describe the process the emergency responders used for data validation:
31. Did the electronic information match that recorded on the hardcopy shipping paper? Yes No Unknown
31a. Describe the discrepancies:
32. Did the electronic information accurately reflect the details of the HM being transported? Yes No Unknown
32a. Describe the discrepancies:
■ 33. Did your agency/organization identify any benefits related to e-system components during the simulation?○ Yes○ No
33a. Which of the following benefits related to e-system components were identified during the simulation? Please select all the

nat apply:

■ Benefits regarding electronic/wireless devices used
■ Benefits associated with the data language (e.g., XML, EDI, etc.) used
E Benefits in the communication mechanism (e.g., email, Internet reference/link, etc.) utilized
Benefits associated with the data format (e.g., jpeg, tiff, etc.) used
■ Benefits associated with the time required to receive the shipping paper information
Cther, please identify:
33b. Describe the benefit(s):

Branching Information • If not 34. Did your ac

If not 34. Did your agency/organization identify any e-s... = Yes then Hide 34a. Which of the following e-system impediments/...

34c. Explain how your agency/organization addressed the impediment(s)/limitation(s):
34b. Describe the impediment(s)/limitation(s):
 □ Problems with the data language (e.g., XML, EDI, etc.) □ Problems with the communication mechanism (e.g., email, Internet reference/link, etc.) □ Problems with the data format (e.g., jpeg, tiff, etc.) □ Other, please describe:
☐ Lack of electronic access in rural areas ☐ Incompatibility issues with other internal or external e-systems ☐ Problems with electronic/wireless devices
C Yes C No
 If not 34. Did your agency/organization identify any e-s = Yes then Hide 34a. Which of the following e-system impediments/ If not 34. Did your agency/organization identify any e-s = Yes then Hide 34b. Describe the impediment(s)/limitation(s): If not 34. Did your agency/organization identify any e-s = Yes then Hide 34c. Explain how your agency/organization address.

Branching Information

- If not 35. Was the information included within the elect... = No then Hide 35a. What other information was needed to identif...
- If not 37. Is training needed to conduct electronic tran... = Yes then Hide 37a. Please describe needed training:
- If not 38. Is additional equipment needed to conduct ele... = Yes then Hide 38a. Please describe additional equipment needed:
- If not 39. Do you have any lessons learned that should b... = Yes then Hide 39a. Please describe the lessons learned:

• If flot 39. Do you have any lessons learned that should b – Fes then flide 39a. Flease describe the lessons learned.
35. Was the information included within the electronic transmittal sufficient, and equivalent to the hardcopy shipping paper, to identify the hazards and properly respond to the HM simulation?
C Yes
35a. What other information was needed to identify the hazards and to properly respond to the HM simulation?
36. How do you feel the e-information satisfied the required HM paper documentation (e.g., shipping paper, transportation of dangerous goods manifest, bill of lading, notification to pilot in command, etc.)?
C Fully Mostly Partially Not at all
37. Is training needed to conduct electronic transfers of information for responders?
37a. Please describe needed training:
38. Is additional equipment needed to conduct electronic transfers of information for emergency response?
C Yes C No
38a. Please describe additional equipment needed:
39. Do you have any lessons learned that should be considered for improvement of the use of e-shipping papers in HM commerce?
C Yes
39a. Please describe the lessons learned:
■ 40. What benefits do you think an e-system would offer over a paper-based system for your agency/organization? Please select all that apply:
Reduced staff time and/or cost to prepare shipping papers Reduced costs for transfer between modes or carriers Reduced error rate in data entry Ease of data entry

Reduced costs for hardcopy storage and retrieval
Faster transport times for shipments
Improved customer satisfaction
Reduced insurance or risk management costs
■ No benefits
Other, please describe:
41. How do you believe e-systems will impact the time to respond to an HM incident? Positively Negatively No impact Other, please explain: