APPENDIX J

HAZARDOUS MATERIALS (HAZMAT) CERTIFICATION AND MOBILITY PROCEDURES

A. GENERAL

1. HAZMAT requires special attention due to the inherent nature of the items. All personnel involved in the transportation of HAZMAT must be familiar and trained with all laws, regulations, Host Nation (HN) agreements, and other rules affecting the movement of these items.

2. Commanders (CDRs) must ensure that transportation and certification of Arms, Ammunition, and Explosives (AA&E) and all other regulated HAZMAT during deployments, sustainment operations, redeployment, or emergency airlift operations complies with local, state, Department of Transportation, Federal Code of Regulations (CFR), international laws and regulations, International Maritime Dangerous Goods Code (IMDGC), Status of Forces Agreements (SOFA), HN Laws and Department of Defense (DoD) Component regulations. The CDRs and Service Headquarters (HQ) may impose more restrictive requirements in addition to HN and International regulations. Within the United States and its territories, the International Air Transportation Association (IATA), International Civil Aviation Organization (ICAO), Title 49 CFR, DoD regulations, and Services directives are the rules. All DoD personnel (military, civilians and contractors) participating in the shipment/movement of regulated HAZMAT must comply with the rules of regulatory bodies governing the safe transportation of regulated HAZMAT for modes of transportation

B. MOVEMENT BY AIRCRAFT

1. Certification Requirements. The deploying unit is responsible for the certification of ammunition, explosives, and other HAZMAT for movement on DoD owned and controlled airlift in accordance with (IAW) Air Force Manual (AFMAN) 24-204_IP (Interservice), Preparing Hazardous Materials for Military Air Shipments (http://www.e-publishing.af.mil; select "Departmental", "24-Transportation", and "AFMAN 24-204_IP"), Tables A18.1 and A18.2. The Shipper's Declaration for Dangerous Goods, Figure J-1, is used to certify shipments. AFMAN 24-204_IP has current step-by-step instructions for completion of the Shipper's Declaration for Dangerous Goods. See Figure J-1 for a completed Shippers Declaration for Dangerous Goods. HAZMAT certifier training requirements are addressed in this regulation, Part II, Chapter 204.

2. Preparation and Packaging Requirements. All ammunition, explosives and other HAZMAT must be prepared and packaged to meet requirements of AFMAN 24-204_IP.

   a. Preparation and packaging must be accomplished by qualified deploying force personnel using the Defense Logistics Agency (DLA) Performance Oriented Packaging Program; DoD Special Packaging Instructions or an approved Service drawing; technical publications (e.g.; technical order/manual); manufacturer's supplied closing instructions; test reports; or strong outer packaging, when authorized in place of United Nations (UN) specification packaging.

   b. Submit waivers to required packaging through Service inventory control points, Figure J-2. An approved waiver must accompany each shipment. For Outside Continental United States (OCONUS) shipments, including tactical and contingency operations, UN performance specification packaging requirements are mandatory and cannot be waived.

   c. The deploying force will ensure ammunition, explosives, and other HAZMAT transported together is compatible. The deploying force must submit waiver requests through the Service focal point (see DTR Part II, Chapter 204) when incompatible items must be shipped

together. If the mobility force adjusts aircraft mission loads during departure airfield operations, the mobility force is responsible for waiver request.

3. Chapter 3 Authorization and Use. Based on a validated operational requirement, Chapter 3 of AFMAN 24-204_IP may be used when there is a sustained, immediate, and responsive requirement for movement of personnel and ammunition, explosives and other HAZMAT in an increased state of readiness to, within, or from objective areas. See the DTR, Part II, Appendix Q, Paragraph I, for Chapter 3, approval requests.

   a. Chapter 3 identifies procedural exceptions in support of the DoD, Federal agencies, and allies providing sustained, immediate, and responsive air movement, and delivery of personnel and HAZMAT to, within, or from objective areas under tactical, contingency, or emergency conditions. Because of the increased risk to the aircraft; air crew; and customers, these procedural exceptions must only be used when there are validated operational requirements. Chapter 3 does not apply to helicopters being used for insertion or extraction of combat troops to, from, or within a combat area.

   b. If use of Chapter 3 is not already approved as part of an operation plan, the Service/Major Command having operational control of the deploying force must justify the applicability of Chapter 3 in the airlift request to the United States Transportation Command Deployment Distribution Operations Center.

   c. Chapter 3 exceptions to preparation and packaging are only allowed for:

      (1) Unpackaged items prepared IAW airdrop technical directives or when loaded in approved holders/systems of tactical vehicles.

      (2) Vehicle and equipment fuel-in-tank levels.

      (3) Incompatible items.

      (4) Hand carrying of individual assigned basic load.

   d. Chapter 3 is not authorized for movement of personnel and ammunition, explosives and other HAZMAT on DoD contracted commercial aircraft. Refer to Department of Transportation (DOT) Special Permit (SP)-7573 and DOT SP-9232

4. Exceptions. Exceptions to AFMAN 24-204_IP may be authorized by waivers or SP for DoD owned and controlled aircraft.

   a. Waivers. Waivers are exceptions to the packaging or compatibility requirements of AFMAN 24-204_IP.

      (1) Packaging. Submit requests for waivers to UN performance specification packaging requirements through Service inventory control points, Figure J-2. An approved waiver must accompany each shipment. For OCONUS shipments, including tactical and contingency operations, UN performance specification packaging requirements are mandatory and cannot be waived.

      (2) Compatibility. The shipper is responsible for obtaining the waiver for incompatible items. Shippers will submit waiver requests through the Service focal point. If the mobility force adjusts aircraft mission loads during departure airfield operations, the mobility force will request waivers for incompatible items.

   b. Special Permits. See Appendix K for guidance.

5. Mobility Considerations.

a. For deployment, sustainment, redeployment, or emergency airlift operations, airlift missions may be validated as meeting AFMAN 24-204_IP, Chapter 3, criteria. (Chapter 3 provides special provisions for tactical, contingency, or emergency airlift.) The major command having operational control of the deploying unit justifies the use of Chapter 3 provisions in the airlift request. Transportation Officers (TOs) or Mobility Officers (MOs) must have the Chapter 3 provisions approved by their validating HQ. TOs or MOs will refer to AFMAN 24-204_IP for specific criteria and conditions, to include permissible fuel levels.

b. There are several methods to transport individual weapons on DoD controlled aircraft. They can be packaged and stowed as cargo in vehicles, or palletized along with other accompanying cargo. On Civil Reserve Air Fleet aircraft, they will be packaged and carried in the baggage compartment. When determined necessary by the troop CDR, weapons may be hand-carried aboard all aircraft; however, the Air Mobility Command must be notified of the requirement in time to coordinate commercial carriers, foreign governments, and destination geographic CDRs to approve the request. The CDR of the deploying force must notify the troop CDR that the hand carrying of weapons has been authorized. AFMAN 24-204_IP and Appendix BB contains instructions for packaging and certification of ammunition. Crew-served weapons must be stored in the baggage compartment. Individual weapons will be inspected at the foot of the steps prior to boarding to ensure weapon bolts are removed or in the open position with flag safety stick inserted. The chamber must be empty and magazines will not be affixed to the weapon. The mobility force CDR will notify the aircraft CDR of the requirement to carry loaded weapons for security purposes.

c. Passengers with weapons and ammunition, moving by non-DoD controlled aircraft, will adhere to the security requirements of the individual air carrier. Troop CDRs, TOs, and MOs are responsible for coordination with the air carrier.

d. For movement of ammunition and explosives, the unit will coordinate with the aerial port of embarkation for pre-clearances, storage arrangements, and constant surveillance/security arrangements.

e. Airlift planners must coordinate remote parking availability for the movement of ammunition and explosives with all transiting airfields and the aerial port of debarkation.

f. For personnel movement under AFMAN 24-204_IP, Chapter 3, normal passenger provisions do not apply. Waivers for moving personnel with accompanying mission equipment are not required.

g. Diversions caused by in-flight cargo leaks are costly and reduce aircraft mission capability. To minimize the opportunity for a fuel leak incident, consider availability of fuel at destination and operational requirements for mission readiness when determining fuel levels and ship with less than the maximum allowable amount. The shipper is responsible for ensuring the maximum allowable fuel-in-tank is not exceeded, the amount of fuel is necessary to meet operational requirements for mission readiness, and the equipment is prepared properly to prevent leakage. Measure fuel quantity on a level surface. The following items are considered fuel leakers and must be drained of fuel IAW AFMAN 24-204_IP, Chapter 3 for channel movement. Purging is not required.

(1) MA-3 air conditioner.

(2) H-1 heater.

(3) The USMC River Assault Craft (RAC).

(4) All commercial support equipment.

(5) The following items are non-leakers:

(a) MC-1A and MC-2A compressors. The MC-1A model 2MC-1A, T.O. 34Y1-56-71, CAGE 16004, part number 66950, NSN 4310-01-060-0642 is not considered a leaker and may be shipped with fuel-in-tank according to Chapter 3 of AFMAN 24-204_IP. Identify the item nomenclature on the Shipper's Declaration form as "2MC-1A". Units must stencil "2MC-1A" on the item.

(b) The United States (U.S.) Customs and Border Protection (CBP) Mark (MK) Boston Whaler boat/United States Navy Patrol Boat Light (PBL) is not considered a leaker and may be shipped with fuel-in-tank as authorized according to AFMAN 24-204_IP.

(6) Fuel may be transported in air eligible containers identified in AFMAN 24-204_IP. Activities wishing to challenge a particular piece of equipment must do so through their Service focal point identified in AFMAN 24-204_IP.

C. MOVEMENT BY HIGHWAY

1. Certification Requirements.

a. Installations/units will use DD Form 2890, DoD Multimodal Dangerous Goods Declaration, Figure J-8, as a shipping paper and to provide emergency instructions to drivers when operating on public roads. The emergency response instructions inform a driver on how to protect him/her, cargo, vehicle, and other life and property from fire, accident, or vehicle breakdown. Instructions contained in the Department of Transportation (DOT) Emergency Response Guidebook must be attached, if not contained on the form.

b. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials), Figure J-6, will be used for inspecting both commercial and government vehicles carrying placarded amounts of HAZMAT on public highways.

c. Units shipping vehicles/containers loaded with HAZMAT are required to complete a DD Form 2781, Container Packing Certificate or Vehicle Packing Declaration, Figure J-7, if the routing includes a water leg.

2. Exceptions. See Appendix K for guidance.

3. Mobility Considerations.

a. Drivers carrying HAZMAT shipments must be trained IAW this Regulation, Part II, Chapter 204.

b. Motor vehicles carrying HAZMAT, IAW this Regulation, Part II, Chapter 204, Paragraph G.1, must be inspected and a DD Form 626 completed prior to transporting munitions and other HAZMAT.

c. Placards and labels must be affixed IAW 49 CFR, Standardization Agreements, or international directives and regulations.

d. The DD Form 2890 must be annotated with HAZMAT data IAW regulations. Required entries on shipping papers include the following: Proper shipping name, hazard class or division number (and compatibility group for Class 1) and subsidiary hazard class (es) in parentheses after primary hazard, as required; identification number (either UN or North America-United States and Canada shipments only); packing group in Roman numerals (I, II, III), as required; total quantity of HAZMAT (Kilograms [KG] or Liters [L]) (for Class 1 materials, Net Explosive Weight [NEW]). Additional required entries include an "RQ" for reportable quantity before the proper shipping name for hazardous substances listed in Table

1 to Appendix A, 49 CFR §172.101, Marine Pollutant if shipment is made by water and the material is listed in Appendix B to 49 CFR §172.101, List of Marine Pollutants; "Poison" or "Toxic" IAW 49 CFR §172.203(m)(1), or "Poison-Inhalation Hazard" and "Zone A", "Zone B", "Zone C", or "Zone D" IAW CFR 49 §172.203(m)(2). Shipping papers must also contain a signed shipper certification and an emergency response telephone number.

e. Military drivers must receive emergency response instructions and proper reporting procedures for accidents, incidents, or delays en route.

f. Shipments must be loaded, blocked, and braced IAW 49 CFR and DoD approved specifications.

g. Driver is required to carry and use the evacuation distances specified in the latest DOT Emergency Response Guidebook, latest revision, (extract samples provided at Figure J-5, Figure J-6, and Figure J-7). DoD emergency technical representatives may reference DoD 6055.9-STD, DoD Ammunition and Explosives Safety Standards.

D. MOVEMENT BY RAIL

1. Certification Requirements.

a. The deploying unit is responsible for the certifications of ammunition, explosives, and other HAZMAT for rail movement IAW 49 CFR § 174.104, Division 1.1 or 1.2 (Explosive) Materials, Car Selection, Preparation, Inspection, and Certification.

b. Units shipping vehicles/containers loaded with HAZMAT are required to complete a DD Form 2781, Figure J-7, if the routing includes a water leg.

c. Rail movements of HAZMAT will be documented for movement using the DD Form 2890, Figure J-8.

2. Exceptions.

a. Waivers. The movement of loaded fuel tankers by rail during exercises or deployments is covered by a special approval from the Federal Railroad Administration.

(1) When this special approval is used, a copy of the first page (signatures) and the pages showing the tankers/pods on the Bill of Lading must be provided to the Military Surface Deployment and Distribution Command (SDDC) for each move. These will be faxed to AMSSD-SR, 1 Soldier Way, Building 1900 West, Scott AFB IL 62225 at Defense Switched Network (DSN): 826-8400 or Commercial: 618 220-5040. SDDC Operations will provide copies to DOT.

(2) Any incidents or accidents involving movement of fuel tankers under this approval will be reported immediately to AMSSD-SR, 1 Soldier Way, Building 1900 West, Scott AFB IL 62225, 618 220-5040, along with a copy of the after action report when prepared. These will be used to share experiences and countermeasures across DoD, and to support future requests for extensions of this special approval.

(3) Under the special approval, semi trailer tankers, such as an M969A1, will be shipped empty but not purged. This DoD limitation is in affect because the tie-down points on the vehicle cannot withstand forces resulting from a load of fuel.

(4) The unit must provide railroad officials with a copy of the special approval at time of shipment.

b. SPs. See Appendix K for guidance.

3. Mobility Considerations. To assure safe movement of equipment, units must adhere to SDDC TEA Pamphlet 55-19, Tiedown Handbook for Rail Movements. Precautions will be taken to protect items from damage or pilferage such as glass windshield or night vision goggles.

E. MOVEMENT BY VESSEL

1. Certification Requirements.

   a. The deploying unit is responsible for the completion of document certifications of ammunition, explosives, and other HAZMAT for movement by cargo vessel, IAW 49 CFR, Part 176, Carriage by Vessel and the IMDGC. The deploying unit will use the DD Form 2890, Figure J-8, for vessel movement except if using a DD Form 2890 from organic highway movement and the equipment and regulated HAZMAT are to be ultimately loaded on a military vessel (e.g., battleship, destroyers, submarines, aircraft carriers) in which case the DD Form 2890 can be used as the vessel form. For further information, see this regulation, DTR, Part II, Chapter 204, Paragraph G.

   b. Shippers will use the DD Form 2890, Figure J-8, for shipments of HAZMAT on commercial vessels in international waters IAW guidelines set forth in the IMDGC and not prohibited by 49 CFR, Part 171, Section 171.25, Additional Requirements for the Use of the IMDG Code, (b), IMDG Code and (c), Use of IMDG Code in Port Areas. This form is commercially available. Complete and sign four copies of the form:

      (1) One form to be retained by the shipper.

      (2) Place one form in a waterproof envelope and attach to the number one piece of the shipment.

      (3) Two forms to be attached to shipping papers. One of which is to be provided for the ship manifest.

      (4) Additional copies may be forwarded with the shipment.

   c. For containerized shipments, copies of the DD Form 2890, Figure J-8 will be placed in water proof envelopes and attached to the inside and the outside door of the container.

   d. The port will prepare DD Form 2776, Dangerous Cargo Load List, Figure J-9, on all hazardous or dangerous cargo packaged into containers. The copy signed by the vessel master, or a licensed deck officer designated by the master, must be retained in the vessel file.

   e. Units shipping vehicles/containers loaded with HAZMAT by sea are required to complete the DD Form 2781, Figure J-7. The certification/declaration verifies that unit packers have properly blocked, braced, packaged, segregated, and marked vehicles/containers loaded with HAZMAT IAW regulations.

2. Exceptions.

   a. Waivers.

      (1) CDRs will assign areas of responsibility to a specific Service component command to process waiver requests to DoD explosive safety standards for OCONUS ports.

      (2) DoD explosive safety waiver requests for Continental United States (CONUS) commercial ports will be processed through the SDDC port manager to the SDDC Operations Center for review and approval.

      (3) DoD explosive waiver requests for CONUS Navy controlled ports will be processed through MSC Area Commands for final approval by the Chief of Naval Operations.

b. SPs. See Appendix K for guidance.

F. MANDATORY TRAINING

1. All personnel involved with the preparation and shipment of HAZMAT for surface transportation must receive training IAW this regulation, 49 CFR, Part 172, Section 172.704, Training Requirements, and DoD Component regulations. Training for military air shipments will be IAW AFMAN 24-204_IP.

   a. Persons who certify HAZMAT on shipping papers (i.e., Forms DD Form 2890, Figure J-8; DOT-mandated shipping forms; BLs; CBLs; and Shipper's Declaration for Dangerous Goods) by any mode of transportation, military or commercial, with the exception of technical specialists (see Paragraph F.3), must successfully complete an initial 80-hour HAZMAT certification course from one of the DoD schools listed below:

      (1) 345th Training Squadron, Transportation Training Flight
      345 TRS/TTTH
      Building 1540
      201 C Avenue
      Fort Lee, VA 23801-1529
      DSN: 539-1763, Commercial: 804-765-1763
      Web address: https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC134B660FB5E044080020E329A9&command=org

      (2) Navy Supply Corps School
      1378 Porter Ave
      Naval Station Newport, Newport, RI 02841
      DSN: 841-4820, Commercial: 401-841-4820
      Web address: https://www.netc.navy.mil/centers/css/nscs/

      (3) Department of the Army
      Defense Ammunition Center (Training Directorate)
      Attn: SJMAC-AST
      1C Tree Rd
      McAlester, OK 74501-9053
      DSN: 826-4745, Commercial: 877-251-0730
      Web address: http://ammo.okstate.edu/

2. Security awareness training for shipments of HAZMAT. IAW 49 CFR 172.704(a)(4) Security Awareness Training, each HAZMAT employee must receive training that provides an awareness of security risks associated with HAZMAT transportation designed to enhance transportation security. This training must include a component covering how to recognize/respond to possible security risks.

   a. Each person who offers one or more of the following HAZMAT shipments must develop and adhere to a security plan for shipments of HAZMAT:

      (1) A highway route-controlled quantity of a Class 7 (radioactive) material;

      (2) More than 25 kg (55 pounds) of a Division 1.1, 1.2, or 1.3 material;

      (3) More than one liter (1.06 quart), per package, of PIH;

      (4) A HAZMAT shipment packaged equal to or greater than 13,248 liters (3,500 gallons) for liquids or gases/more than 13.24 cubic meters (468 cubic feet) for solids;

(5) A shipment in other than a bulk packaging of 2,268 kg (5,000 pounds) gross weight or more of one class of placarded HAZMAT;

(6) A select agent or toxin regulated by the Center for Disease Control; and

(7) A placarded quantity of HAZMAT.

b. The transportation security plan will include an assessment of possible HAZMAT transportation security risks. The security plan will include:

(1) Personnel Security. A method to validate information provided by job applicants hired for positions that involve access to/handling of the HAZMAT covered by the security plan.

(2) Unauthorized Access. Measures to assess the risk of unauthorized persons gaining access to HAZMAT covered by the security plan or transport conveyances being prepared for transportation of the HAZMAT covered by the security plan.

(3) En Route Security. Measures to assess the risk of HAZMAT shipments moving from origin to destination, including any temporary storage of the material while en route to destination.

c. Security plan must be:

(1) In writing;

(2) Retained for as long as it remains in effect;

(3) Available to employees responsible for implementing it, consistent with personnel security clearance/background investigation restrictions and employee's need to know;

(4) Revised and updated, as necessary, to reflect changing risks, commodities, and circumstances; and

(5) Maintained as of the date of the most recent revision.

3. Technical specialists are personnel who are trained and qualified to certify specific types of HAZMAT on selected transportation modes as prescribed by each Service. Additionally, technical specialists may certify HAZMAT on DD Form 2890 for transportation of HAZMAT in military or government-owned vehicles in support of operations needed to meet daily training and mission readiness requirements (e.g., on-installation training; intra-installation; and local, state, and federal roadways transportation of HAZMAT). Successful completion of one of the courses identified in Paragraph 1.a is not required. However, the technical specialist must meet all other training requirements of this Chapter. This training provision does not qualify technical specialists to certify HAZMAT for commercial air or commercial truck transport.

a. As a minimum, the technical specialist will be trained in packaging, preparation, marking, labeling, certification, and all other aspects of the governing modal regulation relevant to the specific HAZMAT within the individual's specialty.

b. All technical specialist training, including for completion of the shipper's certification, will be conducted by an individual qualified under training IAW Paragraph 1.a.

4. Persons who only certify hazardous waste (HW) shipments may satisfy the requirement of Paragraph F.3 by successfully completing one of the following courses:

   a. Hazardous Waste Manifest/DOT Certification Course, offered by:

      USACE Learning Center
      Box 1600
      Huntsville, AL 35807-4301
      DSN: 760-7421, Commercial: 256 895-7421, Fax: 7469
      Web address: http://ulc.usace.army.mil/contactus.aspx

   b. Transportation of Hazardous Material/Hazardous Waste (HM/HW) for DoD, offered by:

      DLA Training Center (DTC)
      P.O. Box 3990, East Broad Street, Building 11, Section 5
      Columbus, OH 43218-3990
      DSN: 850-4949, Commercial: 614 692-4949
      Toll free: 800 458-7903
      Web address: http://www.hr.dla.mil/

5. Medical personnel who manage, package, certify, or prepare laboratory samples and specimens and regulated medical waste only, for transport by any mode, may satisfy this requirement by successfully completing the following course:

   a. Transport of Biomedical Material Course (Initial and Refresher) offered by:

      U.S. Army Center for Health Promotion and Preventive Medicine, (USACHPPM)
      5158 Blackhawk Road
      Aberdeen Proving Ground, MD 21010-5403
      DSN: 584-5228/3651, Commercial: 410 436-5228/3651, Fax: 5237
      Toll free: 800 222-9698
      Web address:
      https://usaphcapps.amedd.army.mil/TrainCon/eForm.aspx?Name=OnSiteTrng

      Select training conferences for specific course dates and locations. On-site training is available by request through the Web address.

6. DoD drivers transporting HAZMAT over public highways will, as a minimum, receive training on proper vehicle operation, securing loads (blocking and bracing), placarding requirements, vehicle route restrictions, required documentation, actions in the event of an incident or accident, and emergency notification procedures. Licensing requirements are identified in the DTR, Part II, Chapter 204, Paragraph B.3.b.(1).

7. Refresher Training:

   a. All HAZMAT personnel must receive refresher training at 24-month intervals IAW Service/Agency policy. This applies to all levels of required training, to include personnel involved with certifying shipments, preparation, packaging, or handling HAZMAT for transportation. Refresher training for persons who certify HAZMAT and conduct technical specialist training for subordinate personnel must be received from one of the approved schools listed in Paragraph F.4 (for HW) or Paragraph F.5 (for biomedical materials).

   b. The military or agency focal point may grant a 60-day extension to this policy. For U.S. Air Force personnel, extensions may be granted by the major command focal point. Extensions do not apply to commercial air shipments.

8. Training Records. All training, to include testing, will be documented in personnel training records. Records will be maintained for as long as a person works for the DoD and for 90 days

after separation from the DoD. If an individual subsequently moves to another Command/Agency, this training record will be sent to the gaining Command/Agency. This record must indicate the following:

a. Name of person who received the training.

b. Date training took place.

c. A complete description or copy of materials used to train, including title and date of the materials, if a copy is not attached.

d. The name and address of the person (school facility) providing the training.

e. Certification statement of completion of training and testing.

9. Testing. Testing will be done IAW 49 CFR, 172.702, Applicability and Responsibility for Training and Testing. The member/employee must successfully pass a written test, and a test record must be maintained in the member's/employee's file for review.

10. Appointment. All personnel signing certification statements on shipping papers must be appointed in writing by the activity or unit CDR or designated representative. The appointment must include the scope of authority and expiration date. A copy of appointment orders will be provided to the TO.

11. Certification. In all cases, the individual who signs the certification statement must personally inspect the HAZMAT item being certified.

G. MULTIPLE MODE HAZMAT SHIPMENTS

1. For shipments by the same mode (e.g., airlift, but using both a commercial and military carrier). Shipments certified to the ICAO, IATA, or 49 CFR may use the same Shipper's Declaration for Dangerous Goods, Figure J-1, for the commercial and military segments of air transport. However, for shipments that exceed the passenger quantity limitations of the ICAO, IATA, or 49 CFR:

   a. Complete a Shipper's Declaration for Dangerous Goods according to the ICAO, IATA, or 49 CFR for the commercial segment and a separate Shipper's Declaration for Dangerous Goods according to AFMAN 24-204_IPfor the military segment.

   b. Place copies of the Shipper's Declaration for Dangerous Goods needed for subsequent movement in a waterproof envelope on the number one piece of the shipment.

   c. DoD aerial port personnel will remove the copies of the Shipper's Declaration for Dangerous Goods from the waterproof envelope and obliterate the "cargo aircraft only" label if not required for military transport.

2. Intermodal shipments (e.g., truck movement to an AMC aerial port for subsequent military airlift) must be accompanied by 49 CFR § 172.202, Description of Hazardous Material on Shipping Papers, 172.203, Additional Description Requirements, and 172.204, Shipper's Certification compliant shipping papers for the truck movement and a Shipper's Declaration for Dangerous Goods for the military airlift movement. Similarly, a truck or rail movement to a seaport would require shipping papers (a shipping order, bill of lading, manifest or other shipping document serving a similar purpose) and containing the information required by 49 CFR §172.202, 172.203 and 172.204 and for the ocean movement portion of the movement, shipping papers containing the IMDG code information required by 49 CFR.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper TRAFFIC MANAGEMENT FLIGHT
5236 CHASE ST
WRIGHT PATTERSON AFB, OH 45433-5501

PHONE NUMBER:(793)257-4409 DSN:787-4409

Air Waybill No.
Page 1 of 1 Pages
Shipper's Reference Number (optional)
FB230061809001XXX

Consignee FB 5612
435 ABW LRS
RAMSTEIN AB, GERMANY

Person Responsible for Shipment:

Two completed and signed copies of this Declaration must be handed to the operator.

WARNING

Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.

TRANSPORT DETAILS

This shipment is within the limitations prescribed for: *(delete non-applicable)*

PASSENGER AND CARGO AIRCRAFT	CARGO AIRCRAFT ONLY
	XXXX

Airport of Departure
DOV
DOVER AFB, DE

Airport of Destination
RAMSTEIN AB, GERMANY

Shipment Type *(delete non-applicable)*

NON-RADIOACTIVE	RADIOACTIVE
	XXXXX

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and Type of Packing	Packing Instructions	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			
UN3166	ENGINES, INTERNAL COMBUSTION	9		1 DIESEL GENERATOR	A13.5	

Additional Handling Information DIESEL FUEL, 3, 500 ML
1 EACH BATTERIES, WET FILLED WITH ACID, 8

Emergency Telephone Number 1-800-851-8061/804-279-3131

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to the applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.

Name/Title of Signatory Alex Luccent
Warehuse Supervisor

Place and Date WP AFB, OH 45433 3 Jan 2011

Signature
(see warming above)

Figure J-1. Shipper's Declaration for Dangerous Goods (Sample-Engines)

INVENTORY CONTROL POINTS

AGENCY	DSN TELEPHONE	DSN FAX
AIR FORCE		
OC-ALC/LGITL 7701 Arnold Street, Room 112 Tinker AFB OK 73145-8912	339-3544	339-7265
OO-ALC/LGMTP 7973 Utility Drive, Bldg 1135 Hill AFB UT 84056-5306	777-4995	777-5921
WR-ALC/LGMTT 375 Perry Street, Building 255 Robins AFB GA 31098-1863	468-3888	468-3048
ARMY		
TACOM/ARDEC	793-6164	793-8204
CECOM (AMSEL-LC-LEO-E)	992-2616	992-8759
AMCOM (AMSAM-MMC-MM-DP)	746-2526	788-2521
TACOM (AMSTA-LC-LEAP)	786-5286	786-7788
DLA		
DLA Customer Support Network	877 352-2255	
DSCC-VSP (RIC S9C and S9E)	850-8774	850-1901
DSCP-ITD (S9I - General and Industrial)	444-3776	444-7500
DSCR-RZS (S9G)	695-4454	695-4392
DSCP-MSCBP (S9M - Medical)	444-4189	444-8139
DSCP-HROS (S9S - Subsistence)	444-5353	444-9043
DSCP-CNC (S9T – Clothing and Textiles)	444-2446	444-8143
DESC-DO	800 268-7633	
MARINE CORPS		
MCLB Albany GA (CODE 581)	567-6786	567-5505
NAVY		
NAVICP (CODE P0771)	442-2183	442-4965
NAVICP (CODE M0772.30),	430-2784	430-3480
NAVAMMOLOGCEN (CODE 4318)	430-3142	430-8603
NOLC-San Diego, CA	735-8506	735-8505

Figure J-2. Inventory Control Points

GUIDE 112 EXPLOSIVES* - DIVISION 1.1, 1.2, 1.3, 1.5 OR 1.6; CLASS A OR B

POTENTIAL HAZARDS

FIRE OR EXPLOSIVE

- **MAY EXPLODE AND THROW FRAGMENTS 500 meters (1/3 MILE) OR MORE IF FIRE REACHES CARGO.**
- ***For information on "Compatibility Group" letters, refer to Glossary section.**

HEALTH

- Fire may produce irritating, corrosive and/or toxic gases.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- Isolate spill or leak area immediately for at least 500 meters (1/3 mile) in all directions.
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away
- Stay upwind
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- **Consider initial evacuation for 800 meters (1/2 mile) in all directions.**

Fire

- If rail car or trailer is involved in a fire and heavily encased explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600 m (1 mile) in all directions; also, initiate evacuation including emergency responders for 1600 m (1 mile).
- When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CARGO Fires

- **DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!**
- Stop all traffic and clear the area for at least 1600 meters (1 mile) in all directions and let burn.
- Do not move cargo or vehicle if cargo has been exposed to heat.

TIRE or VEHICLE Fires

- **Use plenty of water – FLOOD it! If water is not available, use CO2, dry chemical or dirt.**
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) of ELECTRIC DETONATORS.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Figure J-3. Guide 112 (Explosives* – Division 1.1, 1.2, 1.3, 1.5 or 1.6; Class A or B)

GUIDE 114 EXPLOSIVES* - DIVISION 1.4; CLASS C

POTENTIAL HAZARDS

FIRE OR EXPLOSIVE

- **MAY EXPLODE AND THROW FRAGMENTS 500 meters (1/3 MILE) OR MORE IF FIRE REACHES CARGO.**
- ***For information on "Compatibility Group" letters, refer to Glossary section.**

HEALTH

- Fire may produce irritating, corrosive and/or toxic gases.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.
- Move people out of line of sight of the scene and away from windows.
- Keep unauthorized personnel away
- Stay upwind
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- **Consider initial evacuation for 250 meters (800 feet) in all directions.**

Fire

- If rail car or trailer is involved in a fire, ISOLATE for 500 meters (1/3 mile) in all directions; also initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CARGO Fires

- **DO NOT fight fire when fire reaches cargo! Cargo may EXPLODE!**
- Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.
- **Do not move cargo or vehicle if cargo has been exposed to heat.**

TIRE or VEHICLE Fires

- **Use plenty of water – FLOOD it! If water is not available, use CO2, dry chemical or dirt.**
- If possible, and WITHOUT RISK, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material
- DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) of ELECTRIC DETONATORS.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
- Packages bearing the 1.4S label or packages containing material classified as 1.4S are designed or packaged in such a manner that when involved in a fire, may burn vigorously with localized detonations and projection of fragments.
- Effects are usually confined to immediate vicinity of packages.
- If fire threatens cargo area containing packages bearing the 1.4S label or packages containing material classified as 1.4S, consider isolating at least 15 meters (50 feet) in all directions. Fight fire with normal precautions from a reasonable distance.

Figure J-4. Guide 114 (Explosives* – Division 1.4; Class C)

GUIDE 138 SUBSTANCES – WATER-REACTIVE (Emitting Flammable Gases)

POTENTIAL HAZARDS

FIRE OR EXPLOSIVE

- Produce flammable gases on contact with water.
- May ignite on contact with water or moist air.
- Some react vigorously or explosively on contact with water.
- May be ignited by heat, sparks or flames.
- May re-ignite after fire is extinguished.
- Some are transported in highly flammable liquids.
- Runoff may create fire or explosive hazard.

HEALTH

- Inhalation or contact with vapors, substance, or decomposition products may cause severe injury or death.
- May produce corrosive solutions on contact with water.
- Fire will produce irritating, corrosive and/or toxic gases.
- Runoff from fire control may cause pollution.

PUBLIC SAFETY

- **CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- Isolate spill or leak area immediately for at least 50 to 100 meters (160 to 330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate the area before entry.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 250 meters (800 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- **DO NOT USE WATER OR FOAM.**

Small Fires

- Dry chemical, soda ash, lime or sand.

Large Fires

- DRY sand, dry chemical, soda ash or lime or withdraw from area and let fire burn.
- Move containers from fire area if you can do it without risk.

Magnesium Fires

- DRY sand, sodium chloride powder, graphite powder or Met-L-X? powder.

Lithium Fires

- DRY sand, sodium chloride powder, graphite powder, copper powder or Lith-X? powder.

Fire involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Do not get water inside containers.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Do not touch or walk through spilled material
- Stop leak if you can do it without risk.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material
- **DO NOT GET WATER on spilled substance or inside containers**.

Small Spills

- Cover with DRY earth, DRY sand, or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.
- Dike for later disposal; do not apply water unless directed to do so.

Powder Spills

- Cover powder spill with plastic sheet or tart to minimize spreading and keep powder dry.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, wipe from skin immediately; flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Figure J-5. Guide 138 (Substances – Water-Reactive)

MOTOR VEHICLE INSPECTION (TRANSPORTING HAZARDOUS MATERIALS)
(Read Instructions before completing this form.)

This form applies to all vehicles which must be marked or placarded in accordance with Title 49 CFR.	1. BILL OF LADING/TRANSPORTATION CONTROL NUMBER TCN: W26DDJ54320111XXX

SECTION 1 - DOCUMENTATION	ORIGIN a.	DESTINATION b.
2. CARRIER/GOVERNMENT ORGANIZATION	HHC 1/198 AVN	
3. DATE/TIME OF INSPECTION	DEFAULT TO "TODAY"	
4. LOCATION OF INSPECTION	HHC 1/198th AVN motorpool	
5. OPERATOR(S) NAME(S)	*Check list of qualified operators*	
6. OPERATOR(S) LICENSE NUMBER(S)	*Check driver qualifications*	
7. MEDICAL EXAMINER'S CERTIFICATE*	N/A	

8. *(X if satisfactory at origin)*

a. HAZMAT ENDORSEMENT	X	d. ERG OR EQUIVALENT COMMERCIAL:	X	YES		NO		9. CVSA DECAL DISPLAYED ON COMMERCIAL EQUIPMENT*	YES	NO
b. VALID LEASE*		e. DRIVER'S VEHICLE INSPECTION REPORT*					X	a. TRUCK/TRACTOR		
c. ROUTE PLAN	X	f. COPY OF 49 CFR PART 397					X	b. TRAILER		

SECTION II - MECHANICAL INSPECTION
All items shall be checked on empty equipment prior to loading. Items with an asterisk shall be checked on all incoming loaded equipment.

10. TYPE OF VEHICLE(S)	11. VEHICLE NUMBER(S)
M978, Truck, Tank, 8x8 w/w	K-20

12. PART INSPECTED *(X as applicable)*	ORIGIN (1) SAT	ORIGIN (1) UNSAT	DESTINATION (2) SAT	DESTINATION (2) UNSAT		ORIGIN (1) SAT	ORIGIN (1) UNSAT	DESTINATION (2) SAT	DESTINATION (2) UNSAT	COMMENTS (3)
a. SPARE ELECTRICAL FUSES	X				k. EXHAUST SYSTEM	X				
b. HORN OPERATIVE	X				l. BRAKE SYSTEM*	X				
c. STEERING SYSTEM	X				m. SUSPENSION	X				
d. WINDSHIELD/WIPERS	X				n. COUPLING DEVICES	X				
e. MIRRORS	X				o. CARGO SPACE	X				
f. WARNING EQUIPMENT	X				p. LANDING GEAR*					
g. FIRE EXTINGUISHER*	X				q. TIRES, WHEELS, RIMS	X				
h. ELECTRICAL WIRING	X				r. TAILGATE/DOORS*	X				
i. LIGHTS AND REFLECTORS	X				s. TARPAULIN*					
j. FUEL SYSTEM*	X				t. OTHER *(Specify)*	X				PUMPING ASSEMBLY

13. INSPECTION RESULTS *(X one)* ACCEPTED [ ] REJECTED [ ]
(If rejected give reason under "Remarks". Equipment will be approved if deficiencies are corrected prior to loading.)

14. SATELLITE MOTOR SURVEILLANCE SYSTEM: *(X one)* ACCEPTED [ ] REJECTED [ ]

15. REMARKS
N/A

16. INSPECTOR SIGNATURE *(Origin)*	17. INSPECTOR SIGNATURE *(Destination)*

SECTION III - POST LOADING INSPECTION
This section applies to Commercial and Government/Military vehicles. All items will be checked prior to release of loaded equipment and shall be checked on all incoming loaded equipment.

	ORIGIN (1) SAT	ORIGIN (1) UNSAT	DESTINATION (2) SAT	DESTINATION (2) UNSAT	COMMENTS (3)
18. LOADED IAW APPLICABLE SEGREGATION/COMPATIBILITY TABLE OF 49 CFR	X				
19. LOAD PROPERLY SECURED TO PREVENT MOVEMENT	X				
20. SEALS APPLIED TO CLOSED VEHICLE; TARPAULIN APPLIED ON OPEN EQUIPMENT	X				
21. PROPER PLACARDS APPLIED	X				
22. SHIPPING PAPERS/DD FORM 2890 FOR GOVERNMENT VEHICLE SHIPMENTS	X				
23. COPY OF DD FORM 626 FOR DRIVER	X				
24. SHIPPED UNDER DOT SPECIAL PERMIT 868					

25. INSPECTOR SIGNATURE *(Origin)*	26. DRIVER(S) SIGNATURE *(Origin)*
27. INSPECTOR SIGNATURE *(Destination)*	28. DRIVER(S) SIGNATURE *(Destination)*

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Figure J-6. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials)

INSTRUCTIONS

SECTION I - DOCUMENTATION

General Instructions.

All items (2 through 9) will be checked at origin prior to loading. Items with an asterisk (*) apply to commercial operators or equipment only. Only Items 2 through 7 are required to be checked at destination.

Items 1 through 5. Self explanatory.

Item 6. Enter operator's Commercial Driver's License (CDL) number or Military OF-346 License Number. CDL and OF-346 must have the HAZMAT and other appropriate endorsements IAW 49 CFR 383.

Item 7. *Enter the expiration date listed on the Medical Examiner's Certificate.

Item 8.a. Hazardous Materials Certification. In accordance with applicable service regulations, ensure operator has been certified to transport hazardous materials. Check the expiration date on driver's HAZMAT Certification.

b. *Valid Lease. Shipper will ensure a copy of the appropriate contract or lease is carried in all leased vehicles and is available for inspection. (49 CFR 376.12 and 376.11(c)(2)).

c. Route Plan. Prior to loading any Hazard Class/Division 1.1, 1.2, or 1.3 (Explosives) for shipment, ensure that the operator possesses a written route plan in accordance with 49 CFR Part 397. Route Plan requirements for Hazard Class 7 (Radioactive) materials are found in 49 CFR 397.101.

d. Emergency Response Guidebook (ERG) or Equivalent. Commercial operators must be in possession of an ERG or equivalent document. Shipper will provide applicable ERG page(s) to military operators.

e. *Driver's Vehicle Inspection Report. Review the operator's Vehicle Inspection Report. Ensure that there are no defects listed on the report that would affect the safe operation of the vehicle.

f. Copy of 49 CFR Part 397. Operators are required by regulation to have in their possession a copy of 49 CFR Part 397 (Transportation of Hazardous Materials Driving and Parking Rules). If military operators do not possess this document, shipper will provide a copy to operator.

Item 9. *Commercial Vehicle Safety Alliance (CVSA) Decal. Check to see if equipment has a current CVSA decal and mark applicable box. Vehicles without CVSA, check documentation of the last vehicle periodic inspection and perform DD Form 626 inspection.

SECTION II - MECHANICAL INSPECTION

General Instructions.

All items (12.a. through 12.t.) will be checked on all incoming empty equipment prior to loading. All UNSATISFACTORY conditions must be corrected prior to loading. Items with an asterisk (*) shall be checked on all incoming loaded equipment. Unsatisfactory conditions that would affect the safe off-loading of the equipment must be corrected prior to unloading.

SECTION II *(Continued)*

Item 12.a. Spare Electrical Fuses. Check to ensure that at least one spare fuse for each type of installed fuse is carried on the vehicle as a spare or vehicle is equipped with an overload protection device (circuit breaker). (49 CFR 393.95)

b. Horn Operative. Ensure that horn is securely mounted and of sufficient volume to serve purpose. (49 CFR 393.81)

c. Steering System. The steering wheel shall be secure and must not have any spokes cracked through or missing. The steering column must be securely fastened. Universal joints shall not be worn, faulty or repaired by welding. The steering gear box shall not have loose or missing mounting bolts or cracks in the gear box mounting brackets. The pitman arm on the steering gear output shaft shall not be loose. Steering wheel shall turn freely through the limit of travel in both directions. All components of a power steering system must be in operating condition. No parts shall be loose or broken. Belts shall not be frayed, cracked or slipping. The power steering system shall not be leaking. (49 CFR 396 Appendix G)

d. Windshield/Wipers. Inspect to ensure that windshield is free from breaks, cracks or defects that would make operation of the vehicle unsafe; that the view of the driver is not obscured and that the windshield wipers are operational and wiper blades are in serviceable condition. Defroster must be operative when conditions require. (49 CFR 393.60, 393.78 and 393.79)

e. Mirrors. Every vehicle must be equipped with two rear vision mirrors located so as to reflect to the driver a view of the highway to the rear along both sides of the vehicle. Mirrors shall not be cracked or dirty. (49 CFR 393.80)

f. Warning Equipment. Equipment must include three bidirectional emergency reflective triangles that conform to the requirements of FMVSS No. 125. FLAME PRODUCING DEVICES ARE PROHIBITED. (49 CFR 393.95)

g. Fire Extinguisher. Military vehicles must be equipped with one serviceable fire extinguisher with an Underwriters Laboratories rating of 10 BC or more. (Commercial motor vehicles must be equipped with one serviceable 10 BC Fire Extinguisher). Fire extinguisher must be located so that it is readily accessible for use and securely mounted on the vehicle. The fire extinguisher must be designed, constructed and maintained to permit visual determination of whether it is fully charged. (49 CFR 393.95)

h. Electrical Wiring: Electrical wiring must be clean and properly secured. Insulation must not be frayed, cracked or otherwise in poor condition. There shall be no uninsulated wires, improper splices or connections. Wires and electrical fixtures inside the cargo area must be protected from the lading. (49 CFR 393.28)

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Figure J-6. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials) (Cont'd)

INSTRUCTIONS

SECTION II *(Continued)*

i. Lights/Reflectors. (Head, tail, turn signal, brake, clearance, marker and identification lights, Emergency Flashers). Inspect to see that all lighting devices and reflectors required are operable, of proper color and properly mounted. Ensure that lights and reflectors are not obscured by dirt or grease or have broken lenses. High/Low beam switch must be operative. Emergency Flashers must be operative on both the front and rear of vehicle. (49 CFR 393.24, 25, and 26)

j. Fuel System. Inspect fuel tank and lines to ensure that they are in serviceable condition, free from leaks, or evidence of leakage and securely mounted. Ensure that fuel tank filler cap is not missing. Examine cap for defective gasket or plugged vent. Inspect filler necks to see that they are in completely serviceable condition and not leaking at joints. (49 CFR 393.83)

k. Exhaust System. Exhaust system shall discharge to the atmosphere at a location to the rear of the cab or if the exhaust projects above the cab, at a location near the rear of the cab. Exhaust system shall not be leaking at a point forward of or directly below the driver compartment. No part of the exhaust system shall be located where it will burn, char or damage electrical wiring, fuel system or any other part of the vehicle. No part of the exhaust system shall be temporarily repaired with wrap or patches. (49 CFR 393.83)

l. Brake System (to include hand brakes, parking brakes and Low Air Warning devices). Check to ensure that brakes are operational and properly adjusted. Check for audible air leaks around air brake components and air lines. Check for fluid leaks, cracked or damaged lines in hydraulic brake systems. Ensure that parking brake is operational and properly adjusted. Low Air Warning devices must be operative. (49 CFR 393.40, 41, 42, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, and 55)

m. Suspension. Inspect for indications of misaligned, shifted or cracked springs, loosened shackles, missing bolts, spring hangers unsecured at frame and cracked or loose U-bolts. Inspect for any unsecured axle positioning parts, and sign of axle misalignment, broken torsion bar springs (if so equipped). (49 CFR 393.207)

n. Coupling Devices (Inspect without uncoupling). Fifth Wheels: Inspect for unsecured mounting to frame or any missing or damaged parts. Inspect for any visible space between upper and lower fifth wheel plates. Ensure that the locking jaws are around the shank and not the head of the kingpin. Ensure that the release lever is seated properly and safety latch is engaged. Pintle Hook, Drawbar, Towbar Eye and Tongue and Safety Devices: Inspect for unsecured mounting, cracks, missing or ineffective fasteners (welded repairs to pintle hook is prohibited). Ensure safety devices (chains, hooks, cables) are in serviceable condition and properly attached. (49 CFR 393.70 and 71)

o. Cargo Space. Inspect to ensure that cargo space is clean and free from exposed bolts, nuts, screws, nails or inwardly projecting parts that could damage the lading. Check floor to ensure it is tight and free from holes. Floor shall not be permeated with oil or other substances. (49 CFR 393.84)

p. Landing Gear. Inspect to ensure that landing gear and assembly are in serviceable condition, correctly assembled, adequately lubricated and properly mounted.

SECTION II *(Continued)*

q. Tires, Wheels and Rims: Inspect to ensure that tires are properly inflated. Flat or leaking tires are unacceptable. Inspect tires for cuts, bruises, breaks and blisters. Tires with cuts that extend into the cord body are unacceptable. Thread depth shall not be less than: 4/32 inches for tires on a steering axle of a power unit, and 2/32 inches for all other tires. Mixing bias and radial on the steering axle is prohibited. Inspect wheels and rims for cracks, unseated locking rings, broken, loose, damaged or missing lug nuts or elongated stud holes. (49 CFR 393.75)

r. Tailgate/Doors. Inspect to see that all hinges are tight in body. Check for broken latches and safety chains. Doors must close securely. (49 CFR 177.835(h))

s. Tarpaulin. If shipment is made on open equipment, ensure that lading is properly covered with fire and water resistant tarpaulin. (49 CFR 177.835(h))

t. Other Unsatisfactory Condition. Note any other condition which would prohibit the vehicle from being loaded with hazardous materials.

Item 14. For AA&E and other shipments requiring satellite surveillance, ensure that the Satellite Motor Surveillance System is operable. The DTTS Message Display Unit, when operative, will display the signal "DTTS ON". The munitions carrier driver, when practical, will position the DTTS message display unit in a manner that allows the shipping inspector or other designated shipping personnel to observe the "DTTS ON" message without climbing aboard the cab of the motor vehicle.

SECTION III - POST LOADING INSPECTION

General Instructions.

All placarded quantities items will be checked prior to the release of loaded equipment. Shipment will not be released until deficiencies are corrected. All items will be checked on incoming loaded equipment. Deficiencies will be reported in accordance with applicable service regulations.

Item 18. Check to ensure shipment is loaded in accordance with 49 CFR Part 177.848 and the applicable Segregation or Compatibility Table of 49 CFR 177.848.

Item 19. Check to ensure the load is secured from movement in accordance with applicable service outload drawings.

Item 20. Check to ensure seal(s) have been applied to closed equipment; fire and water resistant tarpaulin applied on open equipment.

Item 21. Check to ensure each transport vehicle has been properly placarded in accordance with 49 CFR 172.504.

Item 22. Check to ensure operator has been provided shipping papers that comply with 49 CFR 172.201 and 202. For shipments transported by Government vehicle, shipping paper will be DD Form 2890.

Item 23. Ensure operator(s) sign DD Form 626, are given a copy and understand the hazards associated with the shipment.

Item 24. Applies to Commercial Shipments Only. If shipment is made under DOT Special Permit 868, ensure that shipping papers are properly annotated and copy of Special Permit 868 is with shipping papers.

Item 26. Ensure driver/operator signs DD Form 626 at origin.

Item 28. Ensure driver/operator signs DD Form 626 at destination.

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Figure J-6. DD Form 626, Motor Vehicle Inspection (Transporting Hazardous Materials) (Cont'd)

CONTAINER PACKING CERTIFICATE
OR
VEHICLE PACKING DECLARATION

Person responsible for packing the cargo transport unit (vehicle/container) will complete the checklist. Cross out "vehicle" or "container", as applicable. After completion, sign the certificate.

1. It is declared that the undersigned has visually inspected (Container/Vehicle) Number: _____ (cross out whichever item does NOT apply) and it has been loaded/packed in accordance with the provisions of 5.4.2.1 (IMDGC) and CFR 49 and that (indicate "N/A" for all items that do NOT apply):

	a. The cargo transport unit (container/vehicle) was clean, dry, and apparently fit to receive the goods.
	b. If the consignment includes goods of class 1, other than 1.4, the cargo transport unit (container/vehicle) is structurally serviceable in conformity with 7.4.6 (IMDGC).
	c. Goods that should be segregated, have not been packed together onto or in the cargo transport unit (container/ vehicle) (unless approved by the competent authority concerned in accordance with 7.2.2.3 (IMDGC)).
	d. All packages have been externally inspected for damage, leakage, or sifting, and only sound packages have been packed.
	e. Drums have been stowed in an upright position, unless otherwise authorized by the competent authority.
	f. All packages have been properly packed onto or in the cargo transport unit (container/vehicle) and secured.
	g. When dangerous goods are transported in bulk packagings, the cargo has been evenly distributed.
	h. The cargo transport unit (container/vehicle) and packagings therein are properly marked, labeled, and placarded.
	i. When solid carbon dioxide (CO^2 - dry ice) is used for cooling purposes, the cargo transport unit (container/vehicle) is externally marked or labeled in a conspicuous place, such as the door, and with the words: "**DANGEROUS CO^2 - GAS (DRY ICE) INSIDE. VENTILATE THOROUGHLY BEFORE ENTERING**".
	j. The dangerous goods transport document required in 5.4.1 (IMDGC) has been received for each dangerous goods consignment packed in the cargo transport unit (container/vehicle).

2. PERSON RESPONSIBLE FOR PACKING

a. PRINTED NAME *(Last, First, Middle Initial)*	b. RANK/GRADE	c. TITLE	d. ORGANIZATION

e. PLACE PACKED	f. SIGNATURE	g. DATE *(YYYYMMDD)*

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Figure J-7. DD Form 2781, Container Packing Certificate or Vehicle Packing Declaration

DOD MULTIMODAL DANGEROUS GOODS DECLARATION

This form may be used as a dangerous goods declaration as it meets the requirements of SOLAS 74, Chapter VII, regulation 54; MARPOL 79/78, Annex III, Regulation 4.

1. SHIPPER/CONSIGNOR/SENDER	2. TRANSPORT DOCUMENT NUMBER	3. PAGE 1 OF PAGES	4. SHIPPER'S REFERENCE (TCN)

5. FREIGHT FORWARDER'S REFERENCE	6. CONSIGNEE	7. CARRIER *(To be completed by the carrier)*

24-HOUR EMERGENCY ASSISTANCE TELEPHONE NUMBERS:

DOD NON-EXPLOSIVE HAZMAT: **(800) 851-8061/ (804) 279-3131** AT SEA: COLLECT: **(804) 279-3131**	DOD HAZ CLASS 1 (EXPLOSIVES) ONLY: COLLECT: **(703) 695-4695/4696** or DSN: **225-4695/4696** (Watch Officer)	CHEMICAL/BIOLOGICAL WARFARE MATERIAL: **(410) 436-6200** DSN: **584-6200**	DOD SECURE HOLDING: **(800) 826-0794** *(For TSPs/drivers emergency secure holding issues, accidents, delays, and incidents)* OIL/CHEMICAL SPILLS: NRC & TERRORIST HOTLINE: **(800) 424-8802** AT SEA: COLLECT: **(202) 267-2675**	DOD RADIOACTIVE MATERIALS: COLLECT ARMY: **(703) 695-4695/4696** USAF: **(301) 981-5058** DLA: **(800) 851-8061** AT SEA: COLLECT: **(804) 279-3131** USN/MC: Use 24-hour emergency response number provided by activity.

8. THIS SHIPMENT IS WITHIN THE LIMITATIONS PRESCRIBED FOR: *(X as applicable)*			9. CONTAINER PACKING CERTIFICATE OR VEHICLE PACKING DECLARATION, DD FORM 2781, IS ATTACHED *(X if applicable)*
☐ MILITARY VESSEL	☐ COMMERCIAL VESSEL	☐ HIGHWAY/RAIL	
10. VOYAGE DOCUMENT NUMBER AND SAILING DATE *(To be completed by the carrier)*	11. PORT/PLACE OF LOADING		
12. PORT/PLACE OF DISCHARGE	13. DESTINATION		

14. SHIPPING MARKS	DESCRIPTION OF GOODS *(UN No., PSN, HC, SHC, PG, number and kind of package, and additional information as required by regulations)*	NET MASS/QTY *(kg/l)*	GROSS MASS *(kg)*

15. CONTAINER IDENTIFICATION NO./ VEHICLE REGISTRATION NO.	16. SEAL NUMBER(S)	17. CONTAINER/VEHICLE AND TYPE	18. TARE MASS *(kg)*

19. ADDITIONAL HANDLING INFORMATION

20. RECEIVING ORGANIZATION RECEIPT

Received the above number of packages/containers/trailers in apparent good order and condition, unless stated hereon:

a. RECEIVING ORGANIZATION REMARKS

b. HAULER'S NAME	c. VEHICLE REGISTRATION NO.	d. SIGNATURE AND DATE	e. DRIVER'S SIGNATURE

21. SHIPPER PREPARING THIS FORM

SHIPPER'S DECLARATION. I hereby declare that the contents of this consignment are fully and accurately described above by the Proper Shipping Name, and are classified, packaged, marked, and labeled/placarded and are in all respects in proper condition for transport according to applicable international and national government regulations.

a. NAME OF COMPANY/MILITARY UNIT	b. NAME/STATUS OF DECLARANT/CERTIFIER
c. PLACE AND DATE	d. SIGNATURE OF DECLARANT/CERTIFIER

DD FORM 2890, SEP 2015 PREVIOUS EDITION IS OBSOLETE. Adobe Designer 9.0

Figure J-8. DD Form 2890, DoD Multimodal Dangerous Goods Declaration

INSTRUCTIONS FOR COMPLETING DD FORM 2890,
DOD MULTIMODAL DANGEROUS GOODS DECLARATION

Item 1. Shipper/Consignor/Sender. Enter the address and telephone number where the HAZMAT was certified.

Item 2. Transport Document Number (Ocean container shipments only). The vessel manifest number to which the Multimodal Dangerous Goods Declaration will be attached may be entered in this block. The shipper need not enter this number. The accepting operator may enter it at the time it is assigned. Leave blank for breakbulk shipments. Shipper enters container "V" number.

Item 3. Page __ of __ Pages. Enter the page number and total number of pages. Example: Page 1 of 1.

Item 4. Shipper's Content Reference Number (TCN). Enter the 17-character TCN.

Item 5. Freight Forwarder's Reference. Leave blank.

Item 6. Consignee. Enter the six-digit DODAAC and/or the in-the-clear geographical location of the ultimate consignee (if known). For shipments of infectious substances, enter also the full address, name and telephone number of a responsible person for contact in an emergency.

Item 7. Carrier. Enter Vessel Carrier Name. To be completed by the carrier.

24 Hour Assistance Telephone Number(s). Circle applicable emergency number(s).

Item 8. Shipment Within the Limitations Prescribed for Military Vessel/ Commercial Vessel/Highway/Rail. Mark X in the appropriate block.

Item 9. Container Certification/Vehicle Declaration. Declarant must mark X if applicable. U.S. Coast Guard or port officials may require verification of the container certification/vehicle declaration. DD Form 2781 is a detailed checklist which meets USCG/Customs requirements. DD Form 2781 must be signed and attached to DD Form 2890.

Item 10. Voyage Document Number and Sailing Date (To be completed by the carrier). Enter the voyage document number and the date of sail.

Item 11. Port/Place of Loading. Enter the three-digit POE code and/or the in-the-clear geographical location of the port of embarkation.

Item 12. Port/Place of Discharge. Enter the three-digit POD code and/or the in-the-clear geographical location of the port of debarkation.

Item 13. Destination (in the clear). Enter destination address.

Item 14. Shipping Marks.
1. The identification number prescribed for the material as shown in Column (4) of the Section 49 CFR 172.101 table;
2. The proper shipping name prescribed for the material in Column (2) of the Section 172.101 table;
3. The hazard class or division number prescribed for the material, as shown in Column (3) of the Section 172.101 table. The subsidiary hazard class or division number is not required to be entered when a corresponding subsidiary hazard label is not required. Except for combustible liquids, the subsidiary hazard class(es) or subsidiary division number(s) must be entered in parentheses immediately following the primary hazard class or division number. In addition: The words "Class" or "Division" may be included preceding the primary and subsidiary hazard class or division numbers. The hazard class need not be included for the entry "Combustible liquid, N.O.S." For domestic shipments, primary and subsidiary hazard class or division names may be entered following the numerical hazard class or division, or following the basic description.
4. The packing group in Roman numerals, as designated for the hazardous material in Column (5) of the Section 172.101 table. Class 1 (explosives) materials; self-reactive substances; batteries other than those containing lithium, lithium ions, or sodium; Division 5.2 materials; and entries that are not assigned a packing group (e.g., Class 7) are excepted from this requirement. The packing group may be preceded by the letters "PG" (for example, "PGII");
5. Enter additional information from the IMDG, chapter 5.4, as required (i.e. Marine Pollutant, Flashpoint, Toxin Inhalation Hazard, RQ, etc.).
6. Enter the number and kind of packaging.

Item 14. Shipping Marks (Continued).
7. Except for transportation by aircraft, the total quantity of hazardous materials covered by the description must be indicated (by mass or volume, or by activity for Class 7 materials) and must include an indication of the applicable unit of measurement, for example, "200 kg" (440 pounds) or "50L" (13 gallons). The following provisions also apply: For Class 1 materials, the quantity must be the net explosive mass. For an explosive that is an article, such as Cartridges, small arms, the net explosive mass may be expressed in terms of the net mass of either the article or the explosive materials contained in the article.
8. Ammunition transported by Government Vehicle, Unit will enter the total net quantity for non-explosive material in metric measure. U.S. measure may be added in parentheses underneath the metric measure. For ammunition, enter the total number of rounds/articles and NEW in kg. Exception: Net total quantity is not required for bulk packages, empty packages and cylinders of Class 2.
9. Radioactive material. The description for a shipment of a Class 7 (radioactive) material must include the following additional entries as appropriate:
a. The name of each radionuclide in the Class 7 (radioactive) material that is listed in Section 173.435 of this subchapter. For mixtures of radionuclides, the radionuclides required to be shown must be determined in accordance with Section 173.433(g) of this subchapter. Abbreviations, e.g., "99 Mo," are authorized.
b. A description of the physical and chemical form of the material, if the material is not in special form (generic chemical description) is acceptable for chemical form).
c. The activity contained in each package of the shipment in terms of the appropriate SI units (e.g. Becquerels (Bq), Terabecquerels (TBq), etc.). The activity may also be stated in appropriate customary units (Curies (Ci), milliCuries (mCi), microCuries (uCi), etc.) in parentheses following the SI units. Abbreviations are authorized. Except for plutonium-239 and plutonium-241, the weight in grams or kilograms of fissile radionuclides may be inserted instead of activity units. For plutonium-239 and plutonium-241, the weight in grams of fissile radionuclides may be inserted in addition to the activity units.

Item 15. Container ID Number/Vehicle Registration Number. Enter ID number of the container or vehicle registration number. A dash (-) or blank space is acceptable before the check digit.

Item 16. Seal Number(s). Enter seal number installed on container.

Item 17. Container/Vehicle and Type. Enter type and size of container (20 or 40 ft.) or vehicle description (e.g., HUMVEE).

Item 18. Tare Mass (kg). Enter tare weight of the container.

Item 19. Additional Handling Information.
If applicable, provide additional handling instructions.
Enter the Emergency Response Guide (ERG) Number(s) of the HAZMAT and attach the specific ERG page to DD Form 2890.
If applicable, drivers transporting regulated HAZMAT on European highways must be provided Transport Emergency Cards (TREMCARDS) in the host nation language which must be attached to the shipping papers.

Item 20. Receiving Organization Receipt. Leave blank as this will be filled out by the receiving organization. Signing this block states that the shipment is in good order, unless otherwise noted.

Item 21. Shipper Preparing This Form.
a. Name of Company/Military Unit. Enter the name of company.
b. Name/Status of Declarant/Certifier. Enter the name and status of the person signing the form.
c. Place and Date. Enter the place and date the material was certified.
d. Signature of Declarant/Certifier. The person who certifies on behalf of DoD that the shipment complies with the applicable regulatory requirements must sign the form.

DD FORM 2890 (BACK), SEP 2015

Figure J-8. DD Form 2890, DoD Multimodal Dangerous Goods Declaration (Cont'd)

DANGEROUS CARGO LOAD LIST
(Prescribed by DoD Reg. 4500.9-R)

1. EMERGENCY RESPONSE NUMBERS:
DLA - GEN HAZMAT 1-800-851-8061
AOC - AMMO/EXPLOSIVES (703)697-0218/0219

2. PAGE OF PAGES

3. FROM											
a. AGENCY NAME			b. AGENCY ADDRESS *(Include ZIP Code)*								
4. VESSEL											
a. NAME			b. NUMBER				c. REGISTRY				s. IRCS
5. VOYAGE NUMBER	6. VAN NUMBER	7. TOTAL NET EXPLOSIVE WEIGHT: KGS *(Lbs)*	8. PORT OF ENTRY			9. PORT OF DESTINATION			10. PREPARED IN ACCORDANCE WITH ☐ 49 CFR ☐ IMDGC		
11. TRANSPORTATION CONTROL NUMBER	12. STOW LOCATION	13. PROPER SHIPPING NAME *(RQ, Waste, Marine Pollutant if applicable)*	14. HAZARD CLASS	15. UN NBR	16. PKG GROUP	17. TYPE PACK	18. PIECES	19. WEIGHT: KGS *(Lbs)*	20. CUBE: M(3) *(Ft(3))*		
			21. NET EXPL. WT.: KGS *(Lbs)*	22. REMARKS *(Flash Point, Ex No., Dangerous When Wet, Poison Inhalation Hazard)*							
a.	a.	a.	14a.	15a.	16a.	17a.	18a.	19a.	20a.		
			21a.	22a. REMARKS							
b.	b.	b.	14b.	15b.	16b.	17b.	18b.	19b.	20b.		
			21b.	22b. REMARKS							
c.	c.	c.	14c.	15c.	16c.	17c.	18c.	19c.	20c.		
			21c.	22c. REMARKS							
d.	d.	d.	14d.	15d.	16d.	17d.	18d.	19d.	20d.		
			21d.	22d. REMARKS							

23. I hereby declare the contents of this consignment are fully and accurately described above by proper shipping name, are classified, packed, marked/labeled, and are in all respects in proper condition for transport by water according to applicable international and national government regulations.

a. TYPED NAME *(Last, First, Middle Initial)*	b. TITLE	c. SIGNATURE	d. DATE *(YYYYMMDD)*
e. REMARKS			

24. This is to certify that the cargo inside this unit *(Vehicle or Container* _____ *)* has been properly packed and secured, and that all applicable transport requirements have been met in accordance with the provisions of 12.3.7 (Container) or 17.7.7 (Vehicle), as applicable, of the General Introduction to the IMDG Code.

a. TYPED NAME *(Last, First, Middle Initial)*	b. TITLE	c. SIGNATURE	d. DATE *(YYYYMMDD)*
e. REMARKS			

DD FORM 2776, SEP 1998 (EG) REPLACES MT FORM 225-R, MAR 94, WHICH IS OBSOLETE. Designed using Perform Pro, WHS/DIOR, Sep 98

Figure J-9. DD Form 2776, Dangerous Cargo Load List