

Attachment 24

SPECIAL CARGO REQUIREMENTS

A24.1. Material Requiring SAAM Airlift. This attachment identifies requirements for technical escorts and other extensive protective measures for extremely hazardous materials. The provisions of this attachment apply to the following shipments:

A24.1.1. Material identified in Table A4.1. as Special Provision 1 (P1) which include, but are not limited to, Class 6.1, PG I, hazard zone A and Class 2.3 hazard zone A toxic material, and Infectious Substances, Affecting Humans.

A24.1.2. Class 1, compatibility group K.

A24.1.3. Fissile Class III Radioactive Material.

A24.1.4. Class 7, Category III-Yellow material with a Transport Index greater than 10.

A24.1.5. Any other material determined to need technical escorts for safety concerns.

A24.2. Transportation Requirements.

A24.2.1. Transport the materials identified in A24.1. by Special Assignment Airlift Mission (SAAM) on military organic aircraft. Process SAAM requests, cargo clearance, and appropriate confirmations according to DTR 4500.9-R.

A24.2.2. When Class 6.1, PG I, hazard zone A and Class 2.3, hazard zone A toxic materials, or Infectious Substances, Affecting Humans (UN2814) are shipped by air, the consignor is required to furnish or ensure availability of:

A24.2.2.1. Complete protective clothing and equipment for all aircrew members.

A24.2.2.2. Qualified technical escort personnel, applicable decontamination and detection equipment or supplies, and suitable first-aid equipment or supplies to cope with leaking containers during airlift.

A24.2.3. Fissile class III shipments and Class 7. Incorporate transportation controls for Category III-Yellow material with a Transport Index greater than 10 that are performed by the shipper or carrier, as appropriate, to provide nuclear criticality safety.

A24.2.3.1. Transport Fissile class III and Class 7, Category III-Yellow material with a Transport Index greater than 10, on aircraft assigned to the exclusive use of the shipper with a specific restriction for the exclusive use to be provided in the appropriate arrangements between shipper and carrier and with instructions to that effect issued with the shipping papers.

A24.2.3.2. Protect Fissile class III against loading, storing, or transporting that shipment with any other fissile material and any other packages of radioactive material requiring one of the labels prescribed in Attachment 15.

A24.2.4. **Exceptions.** Service focal points may waive SAAM requirements for the following:

A24.2.4.1. Liquids with a mist Inhalation Zone A, PG I hazard, less than 5 L per package, and solids with a toxic Inhalation hazard Zone A, PG I hazard, less than 15 kg per package. Passenger prohibition code "P2" applies.

A24.2.4.2. Infectious Substance, Affecting Humans (UN2814) less than 4 L or 4 kg per package. Passenger prohibition code "P2" applies.

A24.3. Technical Escorts. Furnish technical escorts when service regulations (or cargo clearance arrangements) require it, or when the shipping activity's medical or flight safety personnel dictate. The shipping activity initiates action to furnish the qualified personnel, when they are required. They also furnish technical escorts or other personnel to accompany shipments of infectious substances (etiologic agents) or plant quarantine materials per A10.8. When the shipping activity is required to furnish qualified personnel, the activity also initiates action to furnish all required protective clothing and equipment for crew members, in addition to the appropriate decontamination, detection, and emergency first-aid equipment. The escort has complete jurisdiction over the cargo as it pertains to normal security, safety, protection of personnel, repair, and disposal of containers. However, in the following situations, escort authorities are primarily technical advisors, and are subordinate to:

A24.3.1. The aircraft commander in matters of flight operations and safety.

A24.3.2. The base installation commander in matters affecting the safety and mission of the command.

A24.4. Shipping Documents for Infectious Substances. As indicated in A3.3.6.2.9, personnel must ensure all necessary transfer documents required by the 42 CFR, 7 CFR, 9 CFR, and applicable biosurety regulations are appropriately signed and emplaced prior to transport of Infectious Substances. **(T-0)**. Both the shipper and the receiver must ensure advanced arrangements are made prior to transfer/transport of samples and that all necessary import/export permits are obtained prior to transport of infectious substances. **(T-0)**. An etiologic agent and plant quarantine material shipment record must accompany all shipments of infectious substances (etiologic agents) transported under the provisions of this attachment. **(T-0)**. The consignor (shipper) must prepare this record. **(T-0)**. If the shipping document is classified, it must be in the custody of the technical escort or other qualified personnel accompanying the shipment. **(T-0)**. In the absence of accompanying personnel, and if the document is not classified, the shipper places the original and one copy in the outermost container of the number one package.

A24.5. Aircrew Jettison Criteria. For cargo consisting of Class 6.1, PG I, hazard zone A toxic material; Class 2.3, hazard zone A toxic material; infectious substances; biological agents; or radioactive material (other than excepted quantities), the jettison criteria are as follows:

A24.5.1. May not be jettisoned over land.

A24.5.2. May not be jettisoned over water unless the cargo, in addition to size criteria, weighs at least 1.6 g/cm³ (100 lbs/ft³) to ensure sinking. Also, jettison the cargo at least 19.3 kilometers (12 miles) offshore, and preferably beyond a shelf, in water 100 fathoms (600 feet) or more in depth. The aircraft commander is given a predeparture briefing on acceptable jettisoning locations based on the above criteria. When cargo is jettisoned to decrease weight, jettison all other cargo before hazardous cargo.

A24.5.3. When cargo is leaking and is beyond control of the escort to repair or neutralize, the escort must inform the aircraft commander. **(T-0)**. The decision of jettisoning rests with the aircraft commander. In this instance, the commander may jettison the cargo over water without regard to weight or depth criteria.

A24.5.4. When the cargo weighs less than 1.6 g/cm^3 (100 lb./ft^3) or when size of cargo would not permit inflight jettisoning, base the model of aircraft selected for overwater missions on two-engine performance from equal time point (ETP) to destination. Aircraft performance is based on aircraft remaining airborne when all cargo except the hazardous cargo is jettisoned.