



400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE RECOMMENDED PRACTICE

SAE ARP997

REV.
B

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Submitted for recognition as an American National Standard

PASSENGER CABIN EMERGENCY EQUIPMENT STOWAGE TRANSPORT AIRCRAFT

1. SCOPE:

The recommendations cover stowage of all portable cabin emergency equipment, including:

- a. Oxygen units
- b. Oxygen masks
- c. Fire extinguishers
- d. Protective breathing equipment (PBE)
- e. First aid kits
- f. Medical kits
- g. Megaphones
- h. Flashlights
- i. Axes
- j. Life rafts
- k. Survival kits
- l. Life preservers (vests)
- m. Radio transmitters

1.1 Purpose:

The purpose of this SAE Aerospace Recommended Practice (ARP) is to establish criteria for the installation of emergency equipment that shall permit its effective use and encourage standardization, thereby reducing reorientation of crewmembers to equipment accessibility while working on differing types, models, and series of transport-category aircraft. This does not preclude the requirement to pre-flight check all emergency equipment relative to its location, availability, and operational status.

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2. REFERENCES:

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

ARP488	Exits and Their Operation - Air Transport Cabin Emergency
ARP496	Stowage of Cabin Emergency Flotation Equipment
ARP503	Emergency Evacuation Illumination
ARP577	Emergency Placarding - Internal and External
ARP583	Flight Attendant Stations
ARP767	Impact Protective Design of Occupant Environment - Transport Aircraft
ARP1282	Survival Kit - Life Rafts and Slide/Rafts
ARP1354	Individual Inflatable Life Preservers
ARP1356	Life Rafts
ARP1384	Passenger Safety Information Cards
ARP4712	Hand-Held Cabin Fire Extinguishers - Transport Aircraft

3. GENERAL RECOMMENDATIONS:

The following recommendations apply to the installation of cabin emergency equipment to enable its effective accessibility and use by cabin crewmembers assigned to air carrier transport aircraft.

3.1 Stowage and Location:

- 3.1.1 Each operator's cabin equipment stowage locations and related placarding should be standardized among aircraft types, models, and series, as practicable, and in accordance with ARP577.
- 3.1.2 Equipment stowage locations shall be specifically selected to enhance the accessibility of the equipment. Priority consideration shall be given to stowage locations in proximity to the flight attendant's station, unless overriding safety considerations dictate installation of equipment in other locations.
- 3.1.3 Stowage locations and facilities should consider environmental factors such as fire, abrasion, impact loading, and temperature, as well as tampering and maintainability.
- 3.1.4 Good ergonomic design practices shall be used in the selection of stowage locations and facilities. Consideration shall be given to crewmembers and maintenance personnel having to reach, bend, and lift to use, inspect, and maintain such equipment.

3.2 Inspection and Retention Factors:

- 3.2.1 Emergency equipment having gauges or indicators which are pre-flight check items shall be installed to permit ready inspection of the gauges or indicators without having to remove the equipment from any retention device.