



AEROSPACE RECOMMENDED PRACTICE

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc.

485 Lexington Ave., New York, N. Y. 10017

ARP 997

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Revised

PASSENGER CABIN EMERGENCY EQUIPMENT STOWAGE

1. **PURPOSE** - The purpose of this recommended practice is to establish criteria for installation of emergency equipment in a manner that will permit its efficient use and encourage industry standardization.
2. **DEFINITION** - This ARP covers stowage of emergency equipment such as escape slides, life rafts, life preservers, portable oxygen bottles, fire extinguishers, and first aid kits, but does not limit itself to this equipment only.

NOTE: It is not the purpose of this recommended practice to specify the design method or specific mechanism or equipment to be used in accomplishment of the objectives set forth herein.
3. **DETAIL RECOMMENDATIONS** - The following criteria are recommended as general provisions.
 - 3.1 Stowage locations should be selected for fast, dependable, and efficient use of the equipment. The design should contemplate use of this equipment by passengers. Stowage locations should also be selected to be adjacent to the cabin attendant's station when operational procedures dictate such a location. The placarding for this equipment should be legible to the cabin attendants from their seats.
 - 3.2 Stowage locations should be conspicuous and clearly placarded and have normal and emergency lighting conforming to ARP 577A and 503A.
 - 3.3 Stowage locations and facilities should consider environmental factors, such as fire, abrasion, impact loading, temperature, tampering, and maintenance.
 - 3.4 Emergency equipment having gages or indicators which may be preflight check items should be installed to permit ready inspection of the gages or indicators without moving the equipment.
 - 3.5 Emergency equipment, including covers of such equipment, release handles and brackets, should be installed so as to preclude injury to persons during all normal and emergency activity.
 - 3.6 In the event of partial or complete covers over emergency equipment, the instructions for removal of the covers should be placarded in accordance with ARP 577A.
 - 3.7 Stowage areas should be protected against interference that might be caused by coats, blankets, and loose "carry-on" articles.
 - 3.8 Where it is necessary that doors cover emergency equipment, the doors should be of such design as to prevent jamming during decompression or deformation and should not in any way restrict access to the emergency item.
 - 3.9 Retention devices such as clamps used on oxygen bottles, fire extinguishers, and first aid kits should be uniform in operation, non-jamming, and should operate in an easy and obvious manner. Also, it should be possible to free the equipment by the actuation of one clamp, latch, or device operating in a single motion and not requiring operation of secondary latches. Necessary inspection seals should be placed on the unit and not on the retention device.
 - 3.10 The latch lever or handle associated with the release of emergency equipment should be a contrasting color to the surrounding hardware.
 - 3.11 Latches should be of such design that their latch position may be determined visually.

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