

Issued 1988-07
Reaffirmed 2007-07
Stabilized 2013-07
Superseding ARP4101/6

Stowage of Flight Crew's Survival Emergency
and Miscellaneous Equipment

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature

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1. SCOPE:

This document recommends general specifications for the location, accessibility and restraint for those items of survival, emergency, and miscellaneous equipment which are intended to be used by the flight crew, and which are stowed on or near the flight deck.

2. REFERENCES:

2.1 Documentation:

This annex should be used in conjunction with the ARP4101 Core Document. In addition, the following documents may be applicable:

- SAE S-7 ARP4102, Flight Deck Panels, Controls and Displays
- SAE S-7 ARP4101/7, Flight Deck Escape Provisions
- SAE ARP997A, Passenger Cabin Emergency Equipment Stowage

2.2 Definitions:

- 2.2.1 Survival Equipment: That class of equipment which is intended to promote human survival and assist rescue after a crash landing, emergency landing, or ditching. Included are life rafts, life jackets, locator-beacon-type radios, arctic clothing, food and water stores, machetes, etc.
- 2.2.2 Emergency Equipment: That class of equipment which is intended to assist the flight crew in coping with emergency operating conditions: portable and fixed protective breathing equipment, smoke protective devices, fire extinguishers, crash axes, first aid kits, evacuation devices, etc.

2.2.3 Miscellaneous Equipment: That class of equipment which is intended to be used by flight crew under normal (including non-routine) operating conditions. Included are flight kits (briefcases), log-books, flashlights, checklist, personal oxygen masks, etc. Also included are luggage and special cargo when such items are carried on the flight deck.

3. OPERATIONAL REQUIREMENTS:

- 3.1 Where it is feasible to do so, different items of survival equipment shall be grouped in the same general area and in proximity to an emergency exit available to the flight crew.
- 3.2 When two or more of the same class of non-personal items of survival equipment are provided for use by the flight crew, these items shall be separated so that each such item is located in proximity to a different emergency exit which is available to the flight crew.
- 3.3 The stowage of personal items of survival and emergency equipment, as, for example, life jackets or protective devices, shall be so distributed as to be immediately accessible to the normal duty station of each flight crew member who may be required to use such items.
- 3.4 Each item or kit of survival or emergency equipment that is stowed on the flight deck shall be stowed in plain sight or in a conspicuous container and shall be directly accessible to, and capable of quick release by, one person using one hand, and without requiring the use of any tools. It shall be so stowed that it cannot be damaged under normal operating conditions. It shall be so located that access will not be impaired by cargo shift or fuselage distortion associated with a survivable accident on land or water.
- 3.5 Provision shall be made for stowage of such items of miscellaneous equipment, such as log-books, etc., and of flight crew personal equipment as flight kits, oxygen masks, luggage, etc., whenever such items are carried on or near the flight deck.
- 3.6 The stowage of each item of survival, emergency and miscellaneous equipment (with the exception of quick-donning oxygen masks) shall include provision for restraint with quick release features capable of withstanding ultimate loads at least as great as those for which the crew seats are designed. Such restraint devices shall, in the case of flight kits, be such as to permit kits to be opened for access to contents without release of restraint devices.
- 3.7 Equipment incorporating gauges or indicators that require periodic inspection shall be so stowed that such gauges or indicators are clearly visible for inspection, without moving the equipment.
- 3.8 Stowage for a life jacket (if required), an oxygen mask (if required), and a flight kit shall be provided at each flight crew station, so that each of these items is within easy reach of that crew member while seated in his normal position.