



AEROSPACE RECOMMENDED PRACTICE

ARP695

REV. E

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Superseding ARP695D

Galley System Design and Installation Criteria

RATIONALE

This Technical Report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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1. SCOPE:

This Aerospace Recommended Practice provides design and installation criteria intended to enhance overall safety by mitigating exposure of cabin crew and passengers to risks from:

- a. Routine use of galley systems.
- b. Galley components or equipment becoming dislodged under routine or abnormal operating conditions and under survivable crash or ditching conditions.
- c. Malfunctions of, or defects in, a galley system or associated galley equipment.

NOTE: It is not the purpose of this Aerospace Recommended Practice to specify the specific designs or design methods to be followed in the accomplishment of stated objectives.

2. APPLICABLE DOCUMENTS:

The following publications form a part of this document to the extent specified herein. The latest issue of SAE publications shall apply. The applicable issue of other publications shall be the issue in effect on the date of the purchase order. In the event of conflict between the text of this document and references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.1 SAE Publications:

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

ARP503	Emergency Evacuation Illumination
ARP577	Emergency Placarding - Internal and External
ARP583	Flight Attendant Stations
ARP712	Galley Lighting
ARP767	Impact Protective Design of Occupant Environment - Transport Aircraft
ARP917	Stowage of Flight Crew's Survival, Emergency and Miscellaneous Equipment
ARP997	Passenger Cabin Emergency Equipment and Stowage
ARP998	Crew Restraint System

2.2 Federal Aviation Administration (FAA) Regulations, Advisory Circulars, and Reports:

Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-9325.

AC25.785 Seats, Berths, Safety Belts, and Harnesses

3. DEFINITIONS:

3.1 Applicable Galley Systems and Components:

- a. Complete galley assemblies at any location in the aircraft.
- b. Galley component and equipment restraint devices (latches).
- c. Non-stationary components (doors, drawers, etc) of permanently attached galley assemblies.
- d. Galley components connected to an electrical power supply (ovens, grills, hot plates, refrigerators, coffeemakers, heated carts, etc), water source, vent, drain system, environmental system, or any other interface to the aircraft.
- e. Items of food or beverage service equipment not permanently attached to the galley assembly (liquid containers, carrier boxes, service carts, etc), including associated special purpose systems and equipment (lift, dumbwaiter, etc).

3.2 Inapplicable Galley System Considerations:

- a. Design details that provide extended service life and continued airworthiness, since this is a function of: (a) the complete galley and food handling system design, (b) human factors engineering features desired by individual operators, (c) specific maintenance and servicing techniques, (d) maintenance philosophy, and (e) compromises in weight vs. longevity. However, alerts to these issues are inserted as appropriate.
- b. Design details that are covered by Federal Aviation Regulations (FAR) or that should be covered by detailed specifications of operators.

4. RECOMMENDATIONS:

4.1 General:

- 4.1.1 Appropriate design practices shall be applied to minimize the detrimental effects of abusive use and handling, spillage of liquids and solids, moisture, corrosion, etc., on safety, structural integrity, and continued airworthiness over long periods of service.
- 4.1.2 Construction practices shall facilitate maintenance of sanitary conditions in all areas.
- 4.1.3 Direct visual monitoring of the passenger cabin from the galley(s) or service center area(s) on the main deck(s) shall be possible to assure compliance with safety instructions and to meet routine assistance needs in flight. However, a mirror or other viewing device may be provided to allow supplemental observation of the passenger cabin. The design and placement of any such device shall be consistent with good ergonomic practice.
- 4.1.4 The coefficient of friction of the galley floor surface shall provide for ease of service cart operation, while minimizing slipping hazards related to spillage of liquids and solids. The floor surface should also provide insulation against vibration and cold.
- 4.1.5 The floors of the galley area, and their interface with the service cart stowage bins, should be level and flat, and without ridges or other variations in surface height, to facilitate smooth operation of the carts.