



AEROSPACE RECOMMENDED PRACTICE

ARP583™**REV. L**

Issued 1960-03
Reaffirmed 2009-08
Revised 2024-12

Superseding ARP583K

Cabin Crew Stations

RATIONALE

The document has been updated to correct minor typographical issues throughout, clarify several existing requirements, and provide additional information in 3.10 to better protect cabin crew members from head injuries while seated.

FOREWORD

Cabin crew station design and location are directly related to the ability of cabin crew to successfully carry out safety-related responsibilities and evacuation duties.

1. SCOPE

This SAE Aerospace Recommended Practice (ARP) provides guidance for the design and location of cabin crew stations, including emergency equipment installations at or near such stations, to enable the cabin crew to perform effectively in emergency situations, including emergency evacuations.

Recommendations regarding design of cabin crew stations apply to all such stations; recommendations regarding location apply to those stations located near or adjacent to floor level exits.

2. REFERENCES

2.1 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.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AIR512 Aircraft Cabin Illumination

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<https://www.sae.org/standards/content/ARP583L/>

2.1.2 Code of Federal Regulations (CFR) Publications

Available from United States Government Publishing Office, 732 North Capitol Street, NW, Washington, DC 20401, Tel: 202-512-1800, www.gpo.gov.

14 CFR Part 25 Airworthiness Standards: Transport Category Airplanes

2.1.3 EASA Publications

Available from European Union Aviation Safety Agency, Konrad-Adenauer-Ufer 3, D-50668 Cologne, Germany, Tel: +49 221 8999 000, www.easa.europa.eu.

CS-25 Certification Specification for Large Aeroplanes

2.1.4 FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835-5322, www.faa.gov.

AC 25.785-1 Flight Attendant Seat and Torso Restraint System Installations

2.2 Related Publications

The following publications are provided for information purposes only and are not a required part of this SAE Technical Report.

2.2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

ARP577 Emergency, Instruction, and Information Placards - Internal and External

ARP997 Installation and Stowage Provisions for Emergency Equipment in the Transport Aircraft Passenger Cabin

ARP4712 Hand-Held Cabin Fire Extinguishers, Transport Aircraft

AS8049 Performance Standard for Seats in Civil Rotorcraft, Transport Aircraft, and General Aviation Aircraft

2.2.2 FAA Publications

Available from Federal Aviation Administration, 800 Independence Avenue, SW, Washington, DC 20591, Tel: 866-835-5322, www.faa.gov.

AC 25-17A Change 1 Transport Airplane Cabin Interiors Crashworthiness Handbook

2.2.3 ICAO Publications

Available from International Civil Aviation Organization, 999 University Street, Montreal, Quebec H3C 5H7, Canada, Tel: +1 514-954-8219, <http://www.icao.int/>.

Annex 6, Part I Operation of Aircraft - International Commercial Air Transport - Aeroplanes

Annex 8 Airworthiness of Aircraft

2.3 Definitions

CABIN CREW MEMBER: A crew member, other than a flight crew member, who has been assigned duties to be performed in the interest of the passengers in a passenger-carrying aircraft.

CABIN CREW STATION: The seat and restraint system occupied by a cabin crew member, adjacent installations to meet safety purposes (e.g., emergency equipment, communication means), and the immediate passageway required for an emergency evacuation.

DIRECT VIEW: Direct (line of sight) visual contact with cabin area/main aisle(s) that enables the cabin crew member to be made aware of passenger needs relative to safety when the cabin crew member is seated with restraint system (safety belt and shoulder harness) fastened.

2.4 Mandating and Recommending Words

SHALL: Indicates a mandatory criterion.

SHOULD: Indicates a criterion for which an alternative, including noncompliance, may be applied if it is documented and justified.

3. RECOMMENDATIONS

The following recommendations apply to the design and location of cabin crew stations, including related equipment and systems.

- 3.1 Cabin crew stations shall be located so that cabin crew can assist cabin occupants with rapid egress during an emergency evacuation and can respond to in-flight emergencies.
- 3.2 At least one cabin crew station shall be located near each required floor level exit to ensure that the cabin crew can access the exit, assess the outside conditions, and initiate evacuation within 15 seconds. Another location is acceptable if the emergency egress of passengers would be enhanced with that location.
 - 3.2.1 To the extent possible without compromising proximity to a required floor level exit, cabin crew stations shall be located to provide restrained cabin crew with a maximum direct view of the cabin area for which the cabin crew is responsible for surveillance (refer to 14 CFR Part 25, CS-25.785, and AC 25.785-1).
 - 3.2.2 In addition, means shall be provided in the immediate vicinity of the cabin crew station to assist an unrestrained cabin crew member with visual assessment of the area outside of the associated exit.
- 3.3 Legible "No Smoking" and/or "Fasten Seat Belt" signs, other required illuminated signs, and call light indicators shall be in full view of the cabin crew member(s) occupying any station. The signs and lights shall be visible under all lighting conditions during normal operation.
- 3.4 Emergency Equipment Required to Perform Emergency Duties
 - 3.4.1 This emergency equipment shall be positioned proximate to the cabin crew station except that another location is acceptable if the safety of passengers and crew would be enhanced by that location; e.g., fire extinguishers located near galleys and lavatories.
 - 3.4.2 This emergency equipment shall be placed in the same location at all cabin crew stations with the same configuration.
 - 3.4.3 Emergency equipment that shall be readily accessible to a seated cabin crew member is a personal flotation device, primary oxygen, and a flashlight.
- 3.5 When a cabin crew station requires a communication device (microphone or alternate means of communication, such as a megaphone) for intercommunication, public address, and evacuation alarm systems, each required device shall be accessible by a cabin crew member when seated with their restraint system fastened.