



AEROSPACE RECOMMENDED PRACTICE

ARP4712™**REV. B**

Issued 1992-09
Reaffirmed 2021-09
Revised 2025-06

Superseding ARP4712A

(R) Portable Cabin Fire Extinguishers
Transport Aircraft

RATIONALE

This revision consisted of several edits to bring the document up to date with the latest portable fire extinguisher information.

1. SCOPE

This SAE Aerospace Recommended Practice (ARP) establishes general criteria for the installation (e.g., type, location, accessibility, stowage) and crew member training needed for portable fire extinguishers.

1.1 Purpose

To ensure that the appropriate types of portable fire extinguishers are readily accessible in the areas they are likely to be needed and to ensure crew members have adequate training in the use of portable fire extinguishers and the proper techniques for fighting onboard fires. The intent is also to promote expedient access to emergency equipment by encouraging standardization.

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.

ARP577	Emergency, Instruction, and Information Placards - Internal and External
ARP997	Installation and Stowage Provisions for Emergency Equipment in the Transport Aircraft Passenger Cabin
AS6271	Halocarbon Clean Agent Hand-Held Fire Extinguisher

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SAE WEB ADDRESS:

Full document details: SAE ARP4712B

For more information on this standard, visit
<https://www.sae.org/standards/content/ARP4712B/>

Documents

Standard, visit Sharing Hub

2.1.2 Code of Federal Regulations (CFR) Publications

Copies of these documents are available online at <https://www.ecfr.gov>.

14 CFR Part 25 Airworthiness Standards: Transport Category Airplanes

14 CFR Part 121 Airworthiness Standards: Operating Requirements: Domestic, Flag, and Supplemental Operations

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.

ETSO-2C515 Aircraft Halocarbon Clean Agent Hand-held Fire Extinguisher

CS-25 Certification Specification for Large Aeroplanes

2.1.4 European Union Publications

Copies of these documents are available online at <https://eur-lex.europa.eu/>.

Regulation No 744/2010. *Commission Regulation (EU) No 744/210 of 18 August 2010 amending Regulation (EC) No 1005/2009 of the European Parliament and of the Council on substances that deplete the ozone layer, with regard to the critical uses of halons.*

2.1.5 FAA Publications

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

AC 20-42D Hand Fire Extinguishers for Use in Aircraft

AC 25-17A Transport Airplane Cabin Interiors Crashworthiness Handbook

TSO C19 Portable Water-Solution Type Fire Extinguishers

Federal Aviation Administration Safety Alert for Operators. (2009). *Fighting fires caused by lithium type batteries in portable electronic devices* (SAFO Publication No. 09013). U.S. Department of Transportation.

2.1.6 ICAO Publications

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

Annex 6 Operation of Aircraft

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.

AS245 Water Solution Type Hand Fire Extinguisher

2.2.2 Code of Federal Regulations (CFR) Publications

Copies of these documents are available online at <https://www.ecfr.gov>.

14 CFR Part 91 Airworthiness Standards: General Operating and Flight Rules

14 CFR Part 135 Airworthiness Standards: Operating Requirements: Commuter and On-Demand Operations and Rules Governing Persons on Board Such Aircraft

2.2.3 FAA Publications

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

AC 120-80B In-Flight Fires

2.3 Definitions

2.3.1 CLASS A FIRE

A fire involving combustible solid materials (e.g., wood, textiles, curtains, furniture, and plastics, etc.), usually organic in nature (contains compounds of carbon), which generally produce glowing embers.

2.3.2 CLASS B FIRE

A fire involving flammable liquids, oils, solvents, gases.

2.3.3 CLASS C FIRE

A fire involving energized electrical equipment.

2.3.4 CLEAN AGENT

Developed to replace Halon 1211. They have similar firefighting performance and are non-conductive, non-corrosive, and do not leave a residue. Halotron BrX, Halotron 1, FM200, and FE-36 are examples of clean agents.

2.4 Mandating and Recommendation Phrases

2.4.1 SHALL

Indicates a mandatory criterion.

2.4.2 SHOULD

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