



AEROSPACE RECOMMENDED PRACTICE

ARP6239™**REV. A**

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Superseded by ARP1384

Demonstration Emergency Equipment

RATIONALE

ARP1384 is intended to provide comprehensive reference and background information pertaining to the Passenger Safety Information System (PSIS). ARP1384 provides the relevant and important safety information into a single document by incorporating and subsequently cancelling SAE documents ARP4771, ARP5655, and ARP6239. ARP4771, ARP5655, and ARP6239 will be incorporated into ARP1384, which is now complete and submitted for 28-day Committee Ballot.

CANCELLATION NOTICE

This technical report has been declared "CANCELLED" as of June 2023 and has been superseded by ARP1384. By this action, this document will remain listed in the respective index, if applicable. Cancelled technical reports are available from SAE.

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1. SCOPE

This SAE Aerospace Recommended Practice (ARP) recommends the design and features of aircraft demonstration emergency equipment for use in passenger safety briefings.

1.1 Background

Airlines and operators are required as a function of providing passenger operations to provide a briefing/demonstration of the emergency evacuation procedures of the current aircraft in use. This is to include a demonstration of certain items of emergency equipment provided on board for the safety of passengers. As a function of needing to demonstrate these items, airlines and operators have developed and modified on board equipment to be used specifically for the emergency evacuation briefing. Several items of actual aircraft equipment are routinely used in safety demonstrations.

Following development of demonstration only equipment, in addition to the use of actual aircraft equipment for the purpose of passenger briefings, a need has been identified to clarify and provide guidance on items used for demonstration purposes.

2. REFERENCES

2.1 Related Publications

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

2.1.1 Code of Federal Regulations (CFR)

Available from U.S. Government Printing Office, Washington, DC 20402, 732 North Capitol Street, NW, Washington, DC 20401, Tel: 202-512-0000, www.gpoaccess.gov.

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

§ 121.571 Briefing Passengers Before Takeoff

§ 121.573 Briefing Passengers: Extended Overwater Operations

14 CFR 135 Operating Requirement: Commuter and On Demand Operations and rules governing persons on board such Aircraft

§ 135.117 Briefing of Passengers before flight

2.1.2 European Aviation Regulations

Available from European Aviation Safety Agency, Postfach 10 12 53, D-50452 Cologne, Germany, Tel: +49-221-8999-000, www.easa.eu.int.

AMC 1 CAT.OP.MPA.170 Passenger Briefing

2.2 Definitions

2.2.1 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. DEMONSTRATION EQUIPMENT

3.1 Demonstration Only Equipment

Equipment used solely for demonstration purposes, used as part of pre-flight safety briefings shall be clearly identified and labeled as to its function as demonstration equipment.

3.1.1 Demonstration Life Preservers

Demonstration life preservers shall be used as part of the pre-flight briefing when required per the aircraft operation. The life preservers should be fully representative of the equipment and its operation as installed on board the aircraft. Demonstration vests can be manufactured by modifying fully serviceable units, and are not required to meet any of the performance criteria for non-demonstration units such as Technical Standard Orders (TSO) and Aerospace Standards. Demonstration life preservers are not required to have inflation bottles or cylinders installed. The demonstration life preservers shall utilize the same donning procedure as the units installed on the aircraft. These units should be clearly labeled with the words "DEMONSTRATION" or "DEMO" to indicate that they cannot be used as functional units in an evacuation.

3.1.2 Demonstration Oxygen Masks

Demonstration oxygen masks shall be used as part of the pre-flight briefing when required per the aircraft operation. These masks should be representative of the equipment and its operation as installed on board the aircraft, and should be clearly labeled with the words "DEMONSTRATION" or "DEMO" to indicate that they cannot be used with any aircraft system. Additionally, no connectors should be installed on these masks, such that they could be mistaken for portable oxygen cylinder masks.

3.2 Aircraft Equipment Used for Demonstration Purposes

Aircraft equipment may be used as part of pre-flight demonstration of emergency evacuation procedures. If this equipment has not been modified to be demonstration only, it should not be marked as "DEMONSTRATION" or "DEMO".

3.2.1 Seat Belt Extenders

To demonstrate the fastening of aircraft seat belts, seat belt extenders may be used. These are examples of aircraft equipment that may be utilized in the demonstration, and as such, shall not be marked with the words "DEMONSTRATION" or "DEMO". They shall be maintained per required maintenance programs/limits.