



ADVISORY CIRCULAR AC 139.H-03 v1.1

ARFFS — Recommended practices: Ancillary equipment

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Advisory circulars are intended to provide advice and guidance to illustrate a means, but not necessarily the only means, of complying with the Regulations, or to explain certain regulatory requirements by providing informative, interpretative and explanatory material.

Advisory circulars should always be read in conjunction with the relevant regulations.

Purpose

This AC provides guidance and information to aerodrome operators and ARFFS providers where aerodrome rescue and fire fighting services are provided or required.

For further information

For further information, contact CASA's Personnel Licensing, Aero and Air Nav Standards (telephone 131 757).

Status

This version of the AC is approved by the Branch Manager, Flight Standards.

Note: Changes made in the current version are not annotated. The document should be read in full.

Version	Date	Details
v1.1	November 2022	Administrative review only.
(0)	April 2003	Initial AC.

Unless specified otherwise, all subregulations, regulations, Divisions, Subparts and Parts referenced in this AC are references to the *Civil Aviation Safety Regulations 1998 (CASR)*.

Contents

1	Reference material	3
1.1	References	3
2	Scale of ancillary equipment	4

1 Reference material

1.1 References

Legislation

Legislation is available on the Federal Register of Legislation website <https://www.legislation.gov.au/>

Document	Title
MOS 139, subpart H. Ref; Chapter 13	
National Fire Protection Codes	
Australian Standards (AS)	

International Civil Aviation Organization documents

International Civil Aviation Organization (ICAO) documents are available for purchase from <http://store1.icao.int/>

Document	Title
ICAO, Annex 14, Vol.1	Aerodromes
ICAO, Airport Services Manual, Part 1	Rescue and fire fighting
ICAO, Training Manual, Part E-2	Aerodrome fire service personnel

2 Scale of ancillary equipment

- 2.1.1 The range of ancillary equipment to be carried on fire appliances can be separated into two categories. Equipment that must be carried at all times and a range of supplementary equipment. When allocating equipment, due regard to standardisation between appliances should be considered.
- 2.1.2 The table below is a guide for the equipment required for the various categories that should be carried at all times.

Table 1: Guide for equipment that must be carried at all times

Rescue Equipment	Aerodrome Category				
Item	Special	1, 2 & 3	4 & 5	6 & 7	8, 9 & 10
Fire Extinguisher		1 per App	1 per App	1 per App	1 per App
Grid Reference Map		1 per App	1 per App	1 per App	1 per App
Hand Lamps		2 per App	2 per App	2 per App	2 per App
Gloves		1 pairs	2 pairs	3 pairs	4 pairs
Branchpipe-Variable-Water		1	1 per App	1 per App	1 per App
Branchpipe-Foam					
FB10X, FW60, S4, or Equivalent		1 per App	1 per App	1 per App	1 per App
Adaptors-M and F (as applicable)		1 per App	1 per App	1 per App	1 per App
Standpipe and Key		1	1	1	2
Short Line		1	1	2	2
Long Line		1	1	2	2
Breathing Apparatus		2	3	4	7
B.A.Spare Cylinders		2	3	4	7
B.A Control Board		1	1	1	1
B.A.Spare Face-Piece		1	1	2	3 (Cat 8/ 2)
Hose - 50 mm		1 per App	2 per App	2 per App	2 per App
Hose - 64 mm		4	8	12	16 (Cat8/ 12)
Hydraulic Tools Lifting / Forcing		1	1	1	1

ARFFS — RECOMMENDED PRACTICES:
ANCILLARY EQUIPMENT

Rescue Equipment	Aerodrome Category				
Hydraulic Rescue Unit			1	1	1
Axe Large		1	1	2	2
Axe Fire Fighters		1	2	2	2
Bolt Cutters (Large)		1	1	1	1
Crowbar		1	1	1	1
Fire Blanket		1	1	1	2
Shovel		1	1	2	2
Portable Saw		1	1	1	1
Portable Saw Blades		2	4	6	6
Rescue Tool Box	*	1	1	2	2
9 kg DCP Extinguisher		1	1	2	2
Extension ladder		1	1	1	2
Portable Transceiver		1	1	2	3
First Aid Kit		1	1	2	2
Crash First Aid Kit	AEP	As per AC No.4, para 4.2			
Emergency Keys			As applicable	As applicable	As applicable

Note: A Rescue Tool Box should contain a useful assortment of tools to assist in rescue. e.g. hacksaw (plus spare blades (300 mm)), claw hammer, adjustable spanner (300 mm), 2x screwdrivers (1 – phillips head, 1 – standard), insulated pliers, multi-grip pliers, cable cutter and seat belt knife.