



ADVISORY CIRCULAR AC 139.H-02 v1.1

ARFFS - Recommended practices - Operational requirements – safety management

Date November 2022
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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)*.

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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 12 | |
| 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 Standard operating procedures

- 2.1.1 ARFFS Units require Standard Operating Procedures (SOPs) to facilitate safety management practices when responding to emergencies.
- 2.1.2 A SOP is an instructional/reference document that provides information on ARFFS practices and procedures for a specific aerodrome. The formulation of the SOP should be the responsibility of the Fire Officer in Charge and be compliance achieved through consultation with operational staff.
- 2.1.3 Each SOP should be periodically updated to ensure relevance and validated through practice by operational staff during the unit training program.

| | |
|--|------------------------|
| SOP No. AA | date of issue xx/yy/zz |
| Tactical Plan | |
| <p>1. Every ARFFS must develop tactical plans. These plans should identify the following:</p> <ul style="list-style-type: none">(a) available <u>resources</u>;(b) aircraft type including civil and military using the <u>aerodrome</u>;(c) <u>terrain</u>;(d) effect of <u>wind</u>;(e) role of <u>personnel</u>;(f) function of <u>vehicles</u>;(g) positioning of <u>vehicles</u>;(h) initial attack; and(i) stand-by positions. | |
| <p>2. The tactical plan should be practiced regularly to ensure familiarity with all operations.</p> | |

Figure 1: SOP example