

# **AVIF5013Y Provide search and rescue alerting and emergency response**

## **Modification History**

Release 3. This is the third release of this unit of competency in the AVI Aviation Training Package Release 10.

Release 2. ISC upgrade - a statement relevant to Defence Aviation has been added to the Application of the unit. SAR acronym has been removed from the title.

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

## **Application**

This unit involves the skills and knowledge required to provide search and rescue (SAR) alerting services, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes providing emergency response and providing search and rescue alerting.

This unit addresses aviation technical skill requirements (physical, mental and task management abilities) related to air traffic control duties that complement the nontechnical skills of air traffic controllers, and contribute to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of commercial and military air traffic services across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under supervision as a single operator or within a team environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

F – Safety Management

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Provide emergency response

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Critical initial actions are carried out in accordance with emergency plans and checklists
- 1.2 Response to abnormal or emergency situations is provided using standard operating procedure
- 1.3 Separation is applied during abnormal or emergency situations
- 1.4 Priority service is provided to emergency situations
- 1.5 Standard emergency phraseologies are used
- 1.6 Critical information is relayed and updated
- 1.7 Abnormal or emergency situations are coordinated and transferred to other responsible units as required
- 1.8 Appropriate emergency phase is declared in accordance with standard operating procedures
- 1.9 Emergency situations are recorded and events are reported in accordance with standard operating procedures
- 2.1 Critical event times for search and rescue alerting are monitored and actioned
- 2.2 Appropriate emergency phase is amended when required
- 2.3 Search and rescue information is coordinated and/or relayed
- 2.4 Actions are completed and reviewed in accordance with workplace procedures

#### 2 Provide search and rescue alerting

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to AVIF5013A Provide SAR alerting and emergency service.

## Links

AVI - Aviation Training Package Companion Volume Implementation Guide at: [sector webpage link here]

# Assessment Requirements for AVIF5013Y Provide search and rescue alerting and emergency response

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## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- communicating clearly and concisely to relevant stakeholders using standard and nonstandard phrases
- communicating effectively when providing search and rescue (SAR) alerting and emergency response
- comprehending incoming information and responding effectively
- declaring emergency phases
- initiating inflight emergency response (IFER) and implementing Aerodrome Emergency Plan (AEP)
- maintaining air traffic services to other traffic during emergencies and abnormal operations
- monitoring and responding to alarms
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring critical SAR event times
- operating equipment in accordance with standard operating procedures
- regulating own workload in abnormal or emergency situations
- responding and updating checklists
- responding to SAR alerting
- responding to stressful situations with a considered and measured approach
- using emergency messages, phrases and signals
- working systematically with required attention to detail.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- documentation for providing SAR alerting and emergency response including recording emergency and/or abnormal flight related information
- emergency and abnormal human machine interface (HMI) indications including alerts and alarms
- emergency checklists and documentation
- emergency separation standards
- emergency communications
- IFER documentation
- IFER management process
- jurisdictions related to SAR for different aircraft operations
- relevant and environmental procedures and regulations
- SAR time (SARTIME) criteria and emergency phase declaration
- SAR watch (SARWATCH) criteria and emergency phase declaration
- SAR organisations and authorities
- types of inflight emergencies
- use of checklists and other documentation.

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- acceptable means of simulation assessment.

## Links

AVI - Aviation Training Package Companion Volume Implementation Guide at: [sector webpage link here]

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