



Australian Government

AVIF2012 Monitor the transfer of hazardous materials

Release: 1

AVIF2012 Monitor the transfer of hazardous materials

Modification History

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 monitor the transfer of hazardous materials, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes monitoring the transfer of hazardous materials on an aerodrome, and responding to a hazardous materials incident.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to safety management duties of ground operations personnel, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited 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 in accordance with relevant Defence Orders and Instructions.

Pre-requisite Unit

Not applicable.

Competency Field

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Monitor the transfer of hazardous materials on an aerodrome	1.1 Location and timing of transfer is determined
	1.2 Hazards are identified, risks are assessed and hazard management is implemented
	1.3 Transfer of hazardous material is monitored to ensure compliance with standard operating procedures
	1.4 Breaches of standard operating procedures are logged and reported
	1.5 Apron areas are inspected for serviceability and identified spills, leakages or damage are reported
2 Respond to a hazardous materials incident	2.1 Correct category of spill is determined
	2.2 Incident is reported to appropriate emergency response agency as required
	2.3 Safety information on handling hazardous materials is located and utilised
	2.4 Operational procedures and equipment for responding to a hazardous materials incident are employed
	2.5 Notice to Airman (NOTAM) advisory action is taken or cancelled as required
	2.6 Awareness of work health and safety (WHS)/occupational health and safety (OHS) and environmental implications of a spill is maintained
	2.7 Spill clean-up or control operations are supervised
	2.8 Hazardous material incident register and records are maintained

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.

Equipment must include one or more of the following:

- radio
- telephone
- vehicle with flashing light
- markers
- lights
- maintenance equipment
- barricades
- sandbags
- fire extinguishers
- spills response kit

Safety information must include one or more of the following:

- Airport Emergency Plan and Procedures
- aerodrome manual
- Australian Standards
- logbooks
- Notice to Airmen (NOTAM)
- safety information and guidance material on hazardous materials
- safety data sheets (SDSs)/material safety data sheets (MSDSs)

Hazardous materials will include one or more of the following:

- fuel
- dangerous goods
- explosives
- ammunition
- sewerage

Unit Mapping Information

This unit replaces and is equivalent to AVIF2012A Monitor the transfer of hazardous materials.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>

Assessment Requirements for AVIF2012 Monitor the transfer of hazardous materials

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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, performance criteria and range of conditions on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with standard operating procedures
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- identifying and correctly using relevant equipment
- implementing contingency plans
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- reading, interpreting and following relevant instructions, regulations, procedures, information and signs
- reporting and/or rectifying problems, fault or malfunctions promptly, in accordance with workplace procedures
- selecting and using required personal protective clothing and equipment conforming to industry and WHS/OHS standards
- using spill control and response equipment
- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

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

- aerodrome layout, including access routes
- categories of hazardous materials spills, and associated response actions
- emergency procedures
- procedures for managing and controlling hazardous situations when carrying out work activities
- procedures for operating electronic communications equipment
- procedures to minimise fire hazards
- relevant sections of national and state/territory regulatory requirements and codes of practice
- relevant WHS/OHS and environmental procedures and regulations
- requirements for completing relevant documentation
- safety distances required for transferring defined hazardous materials
- standard operating procedures for monitoring the transfer of hazardous materials
- steps involved in planning work activities
- use of personal protective equipment and clean up materials for hazardous materials spills.

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
- acceptable means of simulation assessment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

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