



Australian Government

AVIW3027 Deliver pyrotechnics and handheld stores

Release: 1

AVIW3027 Deliver pyrotechnics and handheld stores

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 deliver pyrotechnics and handheld stores, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing pyrotechnics or stores for aerial delivery, deploying pyrotechnics or stores, and responding to inflight pyrotechnic and stores emergencies.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight crew, 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 within a single-pilot or multi-crew 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

W – Equipment and Systems Operations

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.

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|---|---|
| 1 Prepare pyrotechnics or stores for delivery | 1.1 Information/documentation about pyrotechnics or handheld stores is obtained, read and used to guide work as required
1.2 Pyrotechnics or stores are stored securely in aircraft
1.3 Pyrotechnics or stores are inspected for serviceability in accordance with preparation procedures
1.4 Pyrotechnics or stores are prepared and/or armed for use in accordance with preparation instructions |
| 2 Deploy pyrotechnics or stores | 2.1 Personal protective equipment is selected and used in accordance with organisational policies and procedures
2.2 Hazards are identified, risks are assessed and hazard management is implemented
2.3 Pyrotechnics or handheld stores are released or deployed in accordance with operational instructions |
| 3 Respond to inflight pyrotechnics or stores emergency | 3.1 Pyrotechnic or handheld stores emergencies are identified
3.2 Emergency procedures are implemented and appropriate response are undertaken |

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.

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| Information/documentation must include one or more of the following: | <ul style="list-style-type: none"> • aeronautical information publication (AIP) • approved checklists • charts • conditions of service, legislation and industrial agreements including workplace agreements and awards • relevant sections of Civil Aviation Safety Regulations (CASR) • induction and training materials |
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Pyrotechnics or handheld stores must include one or more of the following:

- flight manual/pilot operating handbook (POH)
- operations manuals
- workplace procedures and instructions, and job specification
- chaff
- expendable mobile anti-submarine warfare training targets (EMATTS)
- flares
- heliboxes
- life rafts
- marker marines
- search and rescue (SAR) datum buoys
- signal underwater sound
- smoke
- sonobuoys

Emergencies must include one or more of the following:

- aircraft emergencies
- aircraft malfunction
- battery malfunctions
- hung sonobuoy
- inadvertent release
- premature discharge

Unit Mapping Information

This unit replaces and is equivalent to AVIW3027A Deliver pyrotechnics and hand held stores.

Links

Companion Volume implementation guides are found in VETNet -

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