



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AVIW3027A Deliver pyrotechnics and hand held stores**

**Revision Number: 1**

## **AVIW3027A Deliver pyrotechnics and hand held stores**

### **Modification History**

Not applicable.

### **Unit Descriptor**

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This unit involves the skills and knowledge required to deliver pyrotechnics and hand held / air launched stores equipment from a helicopter. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

### **Application of the Unit**

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Work must be carried out in compliance with the relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

Use for ADF Aviation is to be in accordance with relevant Defence Orders and Instructions and applicable CASA compliance.

Operations are conducted across a variety of operational contexts within the Australian aviation industry.

Work is performed under limited supervision.

This unit of competency is nominally packaged at Certificate III.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

## Employability Skills Information

**Employability Skills** This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

### ELEMENT

### PERFORMANCE CRITERIA

- |   |  |
|---|--|
| <b>1 Prepare pyrotechnics/stores for delivery</b> | 1.1 Pyrotechnics/stores are stored in aircraft in accordance with aircraft flight manuals and organisational policy and procedures<br>1.2 Pyrotechnics/stores are inspected for serviceability in accordance with preparation procedures<br>1.3 Pyrotechnics/stores are prepared and armed for use in accordance with preparation instructions |
| <b>2 Deliver pyrotechnics/stores</b>              | 2.1 Pyrotechnics/stores are released in accordance with aircraft flight manuals and operational instructions   |
| <b>3 Respond to pyrotechnics/stores emergency</b> | 3.1 Pyrotechnic/stores emergencies are identified<br>3.2 Emergency procedures are implemented and appropriate response undertaken in accordance with relevant organisational procedures  |

## Required Skills and Knowledge

### REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

#### Required knowledge:

- Organisational policies and procedures for the storage of pyrotechnics and hand held / air launched stores
- Practices concerning pyrotechnic and hand held / air launched stores delivery
- Serviceability inspection procedures for pyrotechnics and hand held / air launched stores
- Preparation and arming procedures of pyrotechnics and hand held / air launched stores
- Occupational health and safety policies relating to pyrotechnic and hand held / air launched stores delivery
- Relevant emergency procedures and duty of care requirements
- Relevant OH&S responsibilities
- Procedures and protocols for the use of communication systems during an emergency
- Typical problems that may occur when delivering pyrotechnics and hand held / air launched stores and appropriate action and solutions

#### Required skills:

- Perform serviceability inspection of pyrotechnics and hand held / air launched stores
- Implement arming and preparation procedures for pyrotechnics and hand held / air launched stores
- Interpret and follow flight and operational manuals and safety policies
- Read and interpret instructions and procedures relevant to the delivery of pyrotechnics and hand held / air launched stores
- Interpret and follow operational instructions and prioritise work
- Complete documentation related to work activities when delivering pyrotechnics and hand held / air launched stores
- Identify and use required communication technology
- Work collaboratively with others when delivering pyrotechnics and hand held / air launched stores
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems, faults or malfunctions that may occur when delivering pyrotechnics and hand held / air launched stores in accordance with workplace procedures
- Implement contingency plans for unanticipated situations that may arise when delivering pyrotechnics and hand held / air launched stores
- Apply precautions and required action to minimise, control or eliminate hazards that may exist

**REQUIRED KNOWLEDGE AND SKILLS**

during the delivery of pyrotechnics and hand held / air launched stores

- Plan own work including predicting consequences and identifying improvements
- Monitor work activities in terms of planned schedule
- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Operate and adapt to differences in communication equipment in accordance with standard operating procedures

# Evidence Guide

## EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

### **Critical aspects for assessment and evidence required to demonstrate competency in this unit**

- The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:
  - the underpinning knowledge and skills
  - relevant legislation and workplace procedures
  - other relevant aspects of the range statement

### **Context of and specific resources for assessment**

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
  - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
  - access to an appropriate range of relevant operational situations in the workplace
  - In both real and simulated environments, access is required to:
    - relevant and appropriate materials and equipment, and
    - applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

### **Method of assessment**

- Assessment of this unit must be undertaken by a registered training organisation
- As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests
- Practical assessment must occur:
  - through activities in an appropriately simulated environment at the registered training organisation, and/or
  - in an appropriate range of situations in the workplace

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

- Pyrotechnics/stores may include:
- sonobuoys
  - EMATTS
  - signal underwater sound
  - marker marines
  - flares
  - chaff
  - SAR datum buoys
  - liferafts
  - heliboxes
  - smoke
- Aircraft may include:
- aircraft approved for carriage and delivery of pyrotechnics and hand held / air launched stores
- Emergencies may include:
- inadvertent release
  - premature discharge
  - battery malfunctions
  - hung sonobuoy
  - aircraft malfunction
  - aircraft emergencies
- Aircraft publications may include:
- checklists
  - flight manuals
  - organisational policy and procedures manuals
  - aviation maintenance documentation
- Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:
- company procedures
  - enterprise procedures
  - organisational procedures
  - established procedures
- Information/documentation may include:
- relevant sections of Civil Aviation Safety Regulations
  - in Defence context, relevant Defence Orders and Instructions
  - Flight Manual/Pilot's Operating Handbook (POH)
  - Aeronautical Information Publication (AIP)
  - charts
  - operations manuals
  - approved checklists
  - workplace procedures and instructions and job specification

**RANGE STATEMENT**

Applicable regulations and legislation may include:

- induction and training materials
- conditions of service, legislation and industrial agreements including workplace agreements and awards
- relevant Civil Aviation Safety Regulations and Civil Aviation Orders
- in Defence context, relevant Defence Orders and Instructions
- relevant state/territory OH&S legislation
- relevant state/territory environmental protection legislation
- relevant Australian Standards

**Unit Sector(s)**

Not applicable.

**Competency field**

**Competency Field**

W - Equipment and Systems Operations