



**Australian Government**

# **MEA514 Maintain and pack escape slides**

**Release: 1**

# MEA514 Maintain and pack escape slides

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency requires application of skills and knowledge relating to the maintenance and packing of escape slides. Maintenance involves inspection, testing, fault diagnosis, replacement of parts and cleaning during the performance of scheduled or unscheduled maintenance. Maintenance may be performed individually or as part of a team.

The unit does not include repairing escape slides.

The unit applies to a number of types of inflatable aircraft escape slides and is part of the Aeroskills Life Support and Furnishing Certificate III and IV training pathways.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

## Pre-requisite Unit

MEA101	Interpret work health and safety practices in aviation maintenance
MEA103	Plan and organise aviation maintenance work activity
MEA105	Apply quality standards applicable to aviation maintenance processes
MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA108	Complete aviation maintenance industry documentation
MEA109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
MEA118	Conduct self in the aviation maintenance environment

## Competency Field

Aircraft life support

## Unit Sector

### Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |    |                       |     |  |
|----|-----------------------|-----|--|
| 1. | Maintain escape slide | 1.1 | Escape slide is inspected for serviceability in accordance with standard procedures  |
|    |                       | 1.2 | Identified faults beyond own authority to rectify are reported to supervisor and faulty escape slide is quarantined  |
|    |                       | 1.3 | Unserviceable parts of the escape slide are replaced in accordance with standard procedures while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE) |
|    |                       | 1.4 | Escape slide is tested for serviceability in accordance with standard procedures and manufacturer's specifications   |
|    |                       | 1.5 | Escape slide is cleaned in accordance with standard procedures   |
|    |                       | 1.6 | Escape slide is presented for inspection by supervisor in accordance with standard procedures  |
|    |                       | 1.7 | Maintenance documentation is completed and processed in accordance with standard enterprise procedures   |
| 2. | Pack escape slide     | 2.1 | Escape slide is packed for use in accordance with standard procedures  |
|    |                       | 2.2 | Escape slide is presented for inspection by supervisor in accordance with standard enterprise procedures   |
|    |                       | 2.3 | Relevant documentation is completed and processed in accordance with standard enterprise procedures  |

## **Foundation Skills**

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

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Applicable types of escape slides include:**

- 19D22454-2
- 19D22387-2
- 19D22454-5
- 19D22454-6

**Standard procedures are found in any or all of:**

- Commonwealth/state/territory WHS legislation, regulations and codes
- Australian Standards
- Equipment manufacturers' specifications and procedures
- Industry practices
- Safety manual
- Maintenance schedules
- Work instructions
- Maintenance organisation manual
- MSDS
- Defence regulations and instructions
- Civil Aviation Safety Regulations (CASRs) and advisory material
- Standing instructions

**Faults include:**

- Abrasion
- Broken stitching
- Contamination
- Corrosion of metal parts
- Damaged hardware
- Delamination/porosity
- Expired components or equipment
- Faulty valves
- Frayed lines
- Holes
- Incorrect manufacture
- Lifting tapes
- Ultraviolet (UV) degradation

**Parts include:**

- Cylinders
- Operating head
- Valves
- Valise

**Testing includes:**

- Cylinder weight tolerance
- Inflation tests

**Unit Mapping Information**

Release 1 – equivalent to MEA506A Maintain and pack survival inflatable life rafts and escape slides with regard to escape slides

**Links**

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>