



**Australian Government**

# **MEA503 Maintain and fit immersion suits**

**Release: 2**

## MEA503 Maintain and fit immersion suits

### Modification History

Release 2. Equivalent to MEA503 Maintain and fit immersion suits with amended prerequisite codes.

### Application

This unit of competency requires application of skills and knowledge relating to the maintenance and fitment of immersion suits. Maintenance involves inspection, testing, fault diagnosis, replacement of parts and cleaning and may be performed individually or as part of a team.

Fitment involves adjusting the immersion suit to correctly fit an individual.

There are two types of immersion suits: quick don and constant wear. Quick don usually does not require fitting while constant wear is custom fitted to the individual.

This unit 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

MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA118	Conduct self in the aviation maintenance environment
MEA154	Apply work health and safety practices in aviation maintenance
MEA155	Plan and organise aviation maintenance work activities
MEA156	Apply quality standards during aviation maintenance activities
MEA157	Complete aviation maintenance industry documentation
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
MSTTF2008	Use adhesives

## 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 immersion suit | 1.1 | Immersion suit is inspected for serviceability in accordance with standard procedures   |
|    |                         | 1.2 | Immersion suit is tested for serviceability in accordance with standard procedures and manufacturer's specifications  |
|    |                         | 1.3 | Identified faults beyond own authority to rectify are reported to supervisor and faulty immersion suit is quarantined   |
|    |                         | 1.4 | Unserviceable parts of the immersion suit are replaced 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) |
|    |                         | 1.5 | Immersion suit is cleaned in accordance with standard procedures  |
|    |                         | 1.6 | Immersion suit is re-packed in accordance with standard procedures  |
|    |                         | 1.7 | Immersion suit is presented for inspection by supervisor in accordance with standard procedures   |
|    |                         | 1.8 | Maintenance documentation is completed and processed in accordance with standard enterprise procedures  |
| 2. | Fit immersion suit      | 2.1 | Fitting process is explained to the participant so that optimal fit can be achieved   |
|    |                         | 2.2 | Participant is measured and appropriate size immersion suit is selected   |
|    |                         | 2.3 | Immersion suit is adjusted to optimise fit in   |

conjunction with participant feedback

2.4 Immersion suit fit is verified by the supervisor

2.5 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.

### 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 manuals
- Maintenance schedules
- Work instructions
- Maintenance organisation manuals
- MSDS
- Defence regulations and instructions
- Standing instructions

### Faults include:

- Contamination
- Corrosion of metal parts, such as zippers
- Delamination
- Incorrect manufacture
- Leaks
- Lifting of tapes
- Scuffing (e.g. boot)
- Tears in suit and/or seals

### Parts of the immersion suit include:

- Boots
- Gloves
- Life line

- Adjustment of the immersion suit includes:**
- Light
  - Seals (e.g. wrist, neck)
  - Whistle
  - Leg length
  - Sleeve length
  - Trimming seals

## Unit Mapping Information

Release 2. Equivalent to MEA503 Maintain and fit immersion suits

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>