



Australian Government

MEA603 Remove and install aircraft stores suspension system components

Release: 2

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Modification History

Release 2. Equivalent to MEA603 Remove and install aircraft stores suspension system components with amended prerequisite codes.

Application

This unit of competency applies to members of the Australian Defence Force (ADF) who are required to apply explosive ordnance safety and handling procedures, hand skills and use maintenance documentation/publications in the removal and installation of stores suspension system (SSS) components to meet system reconfiguration requirements during the performance of scheduled or unscheduled maintenance. Maintenance may be performed individually or as part of a team.

The unit applies to all aircraft fitted with stores suspension systems.

This unit of competency is part of the Armament Certificate IV training pathway.

This unit is used in workplaces that operate under the airworthiness regulatory systems of the ADF.

Pre-requisite Unit

DEFEXO001	Work safely with explosive ordnance
MEA107	Interpret and use aviation maintenance industry manuals and specifications
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

Competency Field

Aviation maintenance

Unit Sector

Elements and 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 aircraft for SSS reconfiguration | 1.1 | SSS reconfiguration task is verified from applicable documentation |
| | | 1.2 | Aircraft safety devices are checked in accordance with relevant technical publications and manuals |
| | | 1.3 | Correct SSS component is visually identified for reconfiguration |
| | | 1.4 | Appropriate tools and ground support equipment are selected in accordance with the task |
| 2. | Remove SSS component | 2.1 | Firing devices are checked and removed if fitted |
| | | 2.2 | SSS component is removed from aircraft in accordance with technical publications and manuals 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) |
| | | 2.3 | Protective covers and panels are fitted to aircraft and SSS component in accordance with technical publications and manuals |
| 3. | Install SSS component | 3.1 | Applicable protective covers and panels are removed from aircraft and SSS component in accordance with technical publications and manuals |
| | | 3.2 | SSS component is fitted to aircraft in accordance with technical publications and manuals while observing all relevant WHS requirements, including the use of MSDS and items of PPE |
| 4. | Complete and process documentation | 4.1 | Applicable documentation is completed for reconfigured SSS |
| | | 4.2 | Documentation is forwarded to Maintenance Control Section (MCS) |

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.

- Reconfiguration includes:**
- Removal of currently fitted SSS components
 - Installation of specified SSS components
- Verification includes:**
- Maintenance restrictions
 - Aircraft tail number
 - Aircraft entered as unserviceable
 - Nil stores fitted
- Documentation includes:**
- EE500
 - CAMM2 documents
 - SSS documentation
- Safety devices include:**
- Earth lead
 - Aircraft safety pins
 - Aircraft switches
- Technical publications and manuals include:**
- Aircraft publications
 - Maintenance instruction manuals and process specifications
 - Servicing or service bulletins or structural repair manuals
 - Illustrated parts catalogues, aircraft wiring manuals or drawings
 - Tooling, equipment or manufacturer's manuals
 - Standard practices
 - Enterprise aviation regulations and publications
- SSS components include:**
- Bomb release unit
 - Pylon
 - Missile launcher
- Firing devices include:**
- Stores release cartridges
 - Chaff and flares
 - Gun system
 - Missiles
 - Loaded stores
- Checking includes:**
- Visually
 - physically

- Applicable documentation includes:**
- Aircraft documentation
 - SSS component documentation
- Procedures and requirements include:**
- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Unit Mapping Information

Release 2. Equivalent to MEA603 Remove and install aircraft stores suspension system components

Links

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