



Australian Government

MEAARM0003 Remove and install aircraft stores suspension system components

Release: 1

MEAARM0003 Remove and install aircraft stores suspension system components

Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA603 Remove and install aircraft stores suspension system components.

Application

This unit describes the skills and knowledge required by members of the Australian Defence Force (ADF) who are required to apply explosive ordnance safety and handling procedures and hand skills and use maintenance documentation and publications to remove and install stores suspension system (SSS) components to meet system reconfiguration requirements during the performance of scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

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

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

Any other relevant legislation, industry standards and codes of practice within Australia must be applied.

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

Elements and Performance Criteria

Elements	Performance Criteria
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Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare aircraft for SSS reconfiguration	1.1 Verify SSS reconfiguration task from applicable documentation 1.2 Check aircraft safety devices in accordance with technical publications and manuals 1.3 Visually identify correct SSS component for reconfiguration 1.4 Select tools and ground support equipment in accordance with the task
2. Remove SSS component	2.1 Visually and physically check and remove fitted firing devices in accordance with maintenance manual 2.2 Remove SSS component 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 (MSDSs) and items of personal protective equipment (PPE) 2.3 Fit protective covers and panels to aircraft and SSS component in accordance with technical publications and manuals
3. Install SSS component	3.1 Remove protective covers and panels from aircraft and SSS component in accordance with technical publications and manuals 3.2 Fit SSS component to aircraft in accordance with technical publications and manuals while observing all relevant WHS requirements, including using MSDS and items of PPE
4. Complete and process documentation	4.1 Complete required documentation for reconfigured SSS 4.2 Forward documentation to Maintenance Control Section (MCS) in accordance with standard enterprise procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret maintenance manuals.
- Numeracy skills to interpret technical information.
- Writing skills to complete documentation.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA603 Remove and install aircraft stores suspension system components (Release 2).

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEAARM0003 Remove and install aircraft stores suspension system components

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Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- remove and install aircraft stores suspension system (SSS) components during scheduled or unscheduled maintenance under routine supervision on multiple different system reconfiguration (removal- and installation-related) tasks involving the following SSS components:
 - bomb release unit
 - pylon
 - missile launcher.
- for the components being worked on:
 - verify the reconfiguration task to be completed by identifying each of:
 - maintenance restrictions
 - aircraft tail number
 - aircraft entered as unserviceable
 - nil stores fitted
 - check at least one of the following safety device types:
 - earth lead
 - aircraft safety pins
 - aircraft switches
 - check at least one of the following firing device types:
 - stores release cartridges
 - chaff and flares
 - gun system
 - missiles
 - loaded stores
 - demonstrate explosive ordnance handling safety and manual handling of SSS components
 - apply organisational safety requirements and appropriate legislative and regulatory requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the aircraft operating and maintenance environment
- aircraft SSS and interfaces with the stores management system and other aircraft systems
- WHS procedures and policies for aircraft SSS components
- explosive ordnance safety and handling procedures
- technical publications and manuals, including:
 - 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
- hardware and component attachment methods
- aircraft SSS and component test procedures
- technical documentation procedures, including:
 - EE500 maintenance form
 - Computer-Aided Maintenance Management (Camm2) system documents
 - SSS documentation.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulator (DASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in removing and installing aircraft SSS components. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to removing and installing aircraft SSS components
 - tools and equipment specified in the maintenance manuals and applicable procedures
 - general and special-purpose tools and ground support equipment.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement. In addition, assessment methods may include questioning and observations in operational or simulated environments.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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