



Australian Government

MEAARM0002 Remove and install aircraft stores management system components

Release: 1

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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 MEA602 Remove and install aircraft stores management 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, hand skills and use maintenance documentation/publications to remove and install stores management system (SMS) components to meet system reconfiguration requirements during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

The unit applies to all aircraft with stores management systems.

The unit is used in workplaces that operate under the airworthiness regulatory systems of 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 SMS reconfiguration	1.1 Verify SMS reconfiguration task from documentation 1.2 Check aircraft safety devices in accordance with technical publications and manuals 1.3 Visually identify correct SMS component for reconfiguration 1.4 Select tools and ground support equipment are selected in accordance with the task
2. Remove SMS component	2.1 Visually and physically check and remove fitted firing devices in accordance with maintenance manual 2.2 Remove SMS component from aircraft in accordance with technical publications and manuals while observing all relevant work health and safety (WHS) requirements, including using material safety data sheets (MSDSs) and items of personal protective equipment (PPE) 2.3 Fit protective covers and panels to aircraft and stores management system component in accordance with technical publications and manuals
3. Install SMS component	3.1 Remove protective covers and panels from aircraft and SMS component in accordance with technical publications and manuals 3.2 Fit SMS component to aircraft in accordance with technical publications and manuals while observing all relevant WHS requirements, including using MSDSs and items of PPE 3.3 Test the operation of the systems and components in accordance with maintenance manual
4. Complete and process documentation	4.1 Complete required documentation for reconfigured SMS 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 MEA602 Remove and install aircraft stores management 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 MEAARM0002 Remove and install aircraft stores management system components

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Performance Evidence

Performance Evidence

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

- remove and install aircraft stores management system (SMS) components during scheduled or unscheduled maintenance on multiple different system reconfiguration (removal- and installation-related) tasks involving the following SMS components:
 - mission computer
 - armament computer
 - encoder/decoder
 - control unit
 - head-up display (HUD)
 - multifunction display (MFD)
- 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 safety and handling and manual handling of SMS components
- apply organisational safety requirements and appropriate legislative and regulatory requirements
- test the operation of the systems and components being worked on.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the aircraft operating and maintenance environment
- aircraft SMS and interfaces with other aircraft systems
- work health and safety (WHS) procedures and policies for aircraft SMS 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 SMS and component testing requirements
- technical documentation procedures, including:
 - EE500 maintenance form
 - Computer-Aided Maintenance Management (Camm2) system documents
 - SMS documentation.
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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 under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in removing and installing aircraft SMS 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 SMS component
 - 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 the Log of Industrial Experience and Achievement or an equivalent industry evidence guide.

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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