



Australian Government

**MEAARM0004 Inspect, test and
troubleshoot aircraft stores management
systems and components**

Release: 1

MEAARM0004 Inspect, test and troubleshoot aircraft stores management systems and 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 MEA604 Inspect, test and troubleshoot management systems and 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 inspect, test and troubleshoot stores management systems (SMS) and components.

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

MEAARM0002 Remove and install aircraft stores management system components

Competency Field

Aviation maintenance

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to inspect, test and troubleshoot aircraft SMS and components	1.1 Verify task from applicable documentation 1.2 Visually and physically check aircraft safety devices in accordance with technical publications and manuals 1.3 Visually identify correct SMS component for inspection, testing and troubleshooting 1.4 Select tools and ground support equipment in accordance with the

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	task
2. Inspect SMS component	<p>2.1 Visually and physically check and remove fitted firing devices in accordance with maintenance manual</p> <p>2.2 Inspect SMS component 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)</p> <p>2.3 Prepare aircraft for SMS component testing and troubleshooting in accordance with technical publications and manuals</p>
3. Test and troubleshoot SMS component	<p>3.1 Perform functional testing on SMS component for evidence of serviceability or malfunction in accordance with technical publications and manuals</p> <p>3.2 Identify SMS component faults in accordance with technical publications and manuals</p> <p>3.3 Obtain required specialist advice to assist with the troubleshooting process</p> <p>3.4 Take required corrective action (repair or replace) in accordance with technical publications and manuals while observing all relevant WHS requirements, including the use of MSDSs and items of PPE</p>
4. Complete and process documentation	<p>4.1 Complete required SMS component inspection test and troubleshooting documentation in accordance with standard enterprise procedures</p> <p>4.2 Forward completed documentation to Maintenance Control Section (MCS) in accordance with standard enterprise procedures</p>

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 and communicate technical information and take and interpret system measurements.
- 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 MEA604A Inspect, test and troubleshoot aircraft stores management systems and components (Release 1).

Links

Companion Volume Implementation Guides are found in VETNet -

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