



Australian Government

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

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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 MEA604 Inspect, test and troubleshoot management systems and components.

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:

- inspect, test and troubleshoot aircraft stores management systems (SMS) and components under routine supervision on multiple different tasks involving the following SMS components:
 - mission computer
 - armament computer
 - encoder/decoder
 - control unit
 - head-up display (HUD)
 - multi-function display (MFD)
- perform functional testing by applying logic processes, taking and interpreting measurements, using test equipment and appropriate documentation and manuals to isolate SMS malfunctions and assess post-maintenance serviceability
- follow safety precautions relating to explosive ordnance handling and manual handling of SMS components while performing the above maintenance
- apply safety requirements and appropriate legislative and regulatory requirements while performing the above maintenance
- for the components being worked on:
 - verify the 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
- prepare aircraft for testing and troubleshooting by:
 - open panels
 - connect ground support equipment and test equipment
- obtain specialist advice from at least one of the following:
 - subject matter expert
 - manufacturer
 - systems program office.
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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
- Aircraft SMS and component test procedures
- 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
- technical documentation procedures, including:
 - EE500 maintenance form
 - Computer-Aided Maintenance Management (Camm2) system documents
 - SMS documentation.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulator Defence Aviation Safety Authority (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 inspecting, testing and troubleshooting 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 inspecting, testing and troubleshooting aircraft SMS components
 - materials, 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.

Links

Companion Volume Implementation Guides are found in VETNet -

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