Australian Government

Assessment Requirements for MEA602 Remove and install aircraft stores management system components

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Modification History

Release 2. Equivalent to MEA602 Remove and install aircraft stores management system components with amended prerequisite codes.

Performance Evidence

Evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria under the specified conditions of assessment, and must include:

- applying all safety procedures relating to aircraft SMS
- applying hand skills and applicable maintenance documentation in the removal and installation of SMS components
- testing the operation of systems and components
- using ground support equipment and test equipment
- determining SMS reconfiguration requirements
- explosive ordnance safety and handling
- manual handling of SMS components.

The underlying skills inherent in this unit should be transferable across a range of aircraft SMS reconfiguration activities. It is essential that assessment confirms the ability to comply with organisational safety requirements and appropriate legislative and regulatory requirements while maintaining SMS. The ability to work safely within an explosive ordnance environment, conduct applicable tests and maintain relevant documentation is critical, including checking specifically for:

- failure to check aircraft safety devices are installed
- failure to ensure firing devices checked and removed if fitted
- commencing task prior to initiating documentation
- failure to comply with relevant WHS procedures and policies.
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Knowledge Evidence

Evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- the aircraft operating and maintenance environment
- aircraft SMS and interfaces with other aircraft systems
- WHS procedures and policies
- explosive ordnance safety and handling procedures
- technical publications and manuals
- hardware and component attachment methods

- system and component testing requirements
- technical documentation procedures.

Assessment Conditions

- Competency should be assessed on aircraft and/or simulator using materials, tools and equipment specified in the maintenance manuals and applicable procedures. It is also expected that general and special-purpose tools and ground support equipment would be used where appropriate.

The unit may be assessed independently or in conjunction with unit MEA603 Remove and install aircraft stores suspension system components.

- Evidence of transferability of skills and knowledge related to SMS component removal and installation is essential. This is to be established through demonstration of the ability to:
  - render the system safe
  - perform relevant inspections and tests
  - replace components
  - perform appropriate maintenance tasks.
- The work plan should take account of applicable safety and quality requirements in accordance with the industry and regulatory standards.
- The following conditions of assessment represent the requirements of the ADF and must be rigorously observed.
- A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements and performance criteria of the unit of competency are being achieved under routine supervision on a range of system reconfiguration tasks involving the following SMS components:
  - mission computer
  - armament computer
  - encoder/decoder
  - control unit
  - HUD
  - MFD
- This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Assessment Guidelines).
- In addition to evidence provided in the Log of Industrial Experience assessment methods may include questioning and observation in operational or simulated environments.
- Assessors must satisfy the requirements of the National Vocational Education and Training Regulator (Australian Skills Quality Authority, or its successors).

Links

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