MEA161 Assess aviation maintenance spares and manage repairable items

Release: 1

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Modification History

Release 1. Equivalent to MEA136 Assess aviation maintenance spares and manage repairable items. Code changes due to changed titles.

Application

This unit of competency describes the skills and knowledge required to apply integrated logistic support (ILS) procedures when assessing spares and managing repairable items, including aircraft and mechanical and avionic items of aeronautical product. Work may be performed individually or as part of a team.

The unit applies to scheduled and unscheduled maintenance. It is used in workplaces that operate under the airworthiness regulatory systems of Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

This unit forms part of the CASA requirement for maintenance certification licences under Civil Aviation Safety Regulation (CASR) Part 66. Where a CASA licensing outcome is sought, users must refer to the licensing provisions in the MEA Aeroskills Companion Volume Implementation Guide.

Pre-requisite Unit

MEA135	Use computers in aviation maintenance-related integrated logistic support activities

Competency Field

Integrated logistic support

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. Assess spares	1.1 Identify and apply organisational spares assessment and supply information systems
	1.2 Monitor maintenance data, spares usage data, and trends

ELEMENTS	PERFORMANCE CRITERIA
	and vary required holdings of spares as required
	1.3 Identify problems in spares availability, and determine strategies to resolve them
	1.4 Determine the need for suitable substitute parts and, if parts are needed, obtain required engineering approvals according to applicable regulations, and organisational policies and procedures
	1.5 Identify acceptable sources of substitute parts and specify requirements for documentation, according to regulatory requirements, and organisational policies and procedures
	1.6 Observe configuration management (CM) requirements when assessing spares
	1.7 Provide data required for input to ILS records where applicable
2. Manage repairable items	2.1 Monitor maintenance and reliability data and propose changes to maintenance programs where necessary
	2.2 Raise documentation to allocate repairable items to maintenance facilities according to contractual requirements, and organisational policies and procedures
	2.3 Specify specific investigation or additional maintenance requirements
	2.4 Provide data required for input to ILS records where applicable

Foundation Skills

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

Unit Mapping Information

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Links

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