Australian Government

Assessment Requirements for MEA729 Apply configuration management procedures in airworthiness engineering management

Release: 2

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Modification History

Release 2. Equivalent to MEA729 Apply configuration management procedures in airworthiness engineering management 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:

- identifying CM requirements for a product, including listing CIs
- identifying and complying with relevant airworthiness regulations relating to configuration control, documentation and publications
- applying CM processes to the data produced through systems engineering
- establishing CM baselines during product design and development
- developing a CM plan
- training organisation staff in CM plan implementation
- developing CM documentation and related access, version control and security protocols
- implementing and reviewing CM for a product
- developing and applying CM status accounting and maintaining baseline records
- participating in configuration audits and initiating action to resolve deficiencies
- inputting CM data to logistic support plans, where applicable.

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 use and application of CM in through-life management of product configuration
- CM standards and procedures
- relationship between CM and systems engineering during initial design and production
- iteration of the CM and systems engineering interface throughout the product life-cycle during modification development and configuration baseline revision
- relationship between CM and logistic support requirements, such as providing data and updates for ILS plans throughout the product life cycle
- relationship between CM and airworthiness regulations regarding control of aircraft and aeronautical product configuration.

Assessment Conditions

- This unit may be assessed on the job, off the job or a combination of both on and off the job. Where assessment occurs off the job, that is, the candidate is not in productive work, then a simulated working environment must be used that reflects realistic workplace situations and conditions.
- The competencies covered by this unit would be demonstrated by an individual working alone or as part of a team.
- Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate ethnicity, age, gender, demographics and disability.
- Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application.
- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process.
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances.
- Assessors must be satisfied that the candidate can competently and consistently:
  - determine the scope of the CM task and identify items for CM (CIs)
  - compile CM documentation from systems engineering data
  - establish and review configuration baselines during product development and production
  - comply with relevant airworthiness regulations
  - develop CM plans
  - implement CM plans
  - review CM performance
  - establish and maintain CM status accounting databases and procedures
  - participate in CM audits and manage the remedy of deficiencies.
- Assessment may be in conjunction with assessment of other units of competency where required.
- 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.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371