



Australian Government

Assessment Requirements for MEASTR0010 Paint aircraft surfaces

Release: 1

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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 MEA415 Paint aircraft surfaces.

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:

- paint aircraft surfaces during scheduled or unscheduled maintenance on at least two occasions, on at least two different substrates from the following:
 - high strength steel
 - aluminium alloys
 - composite fibre
 - plastic
 - transparencies
 - magnesium alloy
 - fabric
 - wood
- apply system testing procedures, cleanliness requirements and safety precautions at all times, and as relevant to the surfaces being worked on.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- relevant legislative, regulatory and enterprise procedures, process specifications and maintenance publications, as outlined in:
 - Commonwealth, state and territory environmental legislation, regulations and codes for the storage and disposal of hazardous and toxic materials
 - material safety data sheets (MSDSs)
 - maintenance organisation manuals
 - procedures manuals
 - work instructions
 - relevant Defence regulations and instructions
 - standing instructions

- work health and safety (WHS) procedures for applying aerospace coatings, including personal protective equipment (PPE) and fume extraction, as outlined in:
 - Commonwealth, state and territory WHS legislation, regulations and codes
 - procedures manuals
 - safety manuals
 - work instructions
 - maintenance organisation manuals
 - MSDSs
 - Defence regulations and instructions
 - standing instructions
- how to obtain MSDSs
- manufacturer specifications and directions
- materials and tools required for painting aircraft surfaces, including:
 - epoxy primers
 - lacquer primers
 - acrylic topcoats
 - polyurethane topcoats
 - chemicals
 - masking and barrier materials
 - low pressure gun or touch-up gun
 - general purpose suction feed spray guns
 - airless spray units
 - electrostatic spray equipment
 - sanding and polishing equipment and materials
- types of paint finishes and applicability to various substrates
- procedures for preparing surfaces for paint application
- types of masking and barrier materials
- methods used for final finishing of surfaces
- environmental legislation and regulations relating to the storage, use and disposal of hazardous materials.
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Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (DASA and CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in removing surface coatings from aircraft or aircraft 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 removing surface coatings from aircraft or aircraft components
- materials, tools and equipment specified in the maintenance manuals and applicable procedures
- general and special-purpose tools and items of ground support.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

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>