



Australian Government

Assessment Requirements for MEASTR0009 Remove light corrosion from aircraft

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 MEA414 Remove light corrosion from aircraft.

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:

- remove light corrosion from aircraft during scheduled or unscheduled maintenance on at least two occasions and using one or more of the following removal methods
 - mechanical (using micro grinder, sander or plastic media blasting)
 - manual (using wet/dry abrasive papers or abrasive pads)
 - chemicals
- apply procedures, cleanliness requirements and safety precautions at all times, and as relevant to the aircraft structures and 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 and maintenance publications, including:
 - 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
- sources and application of work health and safety (WHS) procedures for removing of aerospace coatings, including personal protective equipment (PPE), including:
 - 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
- signs of corrosion, including:
 - surface deformed
 - paint blistered or flaked
 - powder
 - discolouration
- types of corrosion, including:
 - uniform etch
 - pitting
 - intergranular
 - exfoliation
 - filiform
 - galvanic
- types of chemicals used for corrosion removal and methods of application
- materials and tools suitable for corrosion removal, including:
 - micro grinders
 - sanders
 - plastic media blasting equipment
 - abrasive pads
 - wet/dry abrasive papers
 - chemicals
- mechanical methods that can be used for corrosion removal
- cleaning methods following corrosion removal
- environmental legislation and regulations for storing, using and disposing of hazardous materials.
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Assessment Conditions

The following conditions of assessment represent the requirements of the regulators Defence Aviation Safety Authority (DASA), Civil Aviation Safety Authority (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>