



Australian Government

Assessment Requirements for MSMOPS301 Treat corrosion

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSAPMOPS301A Treat corrosion

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and demonstrate the ability to:

- observe and inspect service environment to identify:
 - type of corrosion present
 - likely causes of corrosion
 - vulnerability to corrosion
- identify hazards and apply relevant hazard controls
- read and interpret product specifications, job sheets, procedures, material labels and safety information
- analyse proposed treatment for appropriateness
- complete workplace forms/reports
- communicate effectively with team/work group, supervisors and other personnel
- apply operational knowledge to non-routine problems.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- duty of care obligations
- relevant organisational procedures
- physics and chemistry relevant to corrosion in metals and non-metals
- relevant coating/lining types and application methods
- hazards that may arise in the job/work environment, including:
 - their possible causes
 - potential consequences
 - appropriate risk controls
- costs and hazards of corrosion
- impacts of preparation and coating variables, including:
 - blast media type/size/shape
 - temperature during/after application
 - pressure of spray
 - pH
- non-routine problems that may arise, the range of possible causes and processes to develop solutions

- major preparation and protection methods, their typical applications and how to troubleshoot problems.

Assessment Conditions

- The unit should be assessed holistically and the judgement of competence based on a holistic assessment of the evidence.
- The collection of performance evidence is best done from a report and/or folio of evidence drawn from:
 - a single project which provides sufficient evidence of the requirements of all the elements and performance criteria
 - multiple smaller projects which together provide sufficient evidence of the requirements of all the elements and performance criteria.
- A third-party report, or similar, may be needed to testify to the work done by the individual, particularly when the project has been done as part of a project team.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment in a simulated environment should use evidence collected from one or more of:
 - walk-throughs
 - demonstration of skills
 - industry based case studies/scenarios
 - 'what ifs'.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept).
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.
- The regulatory framework will be reflected in workplace policies and procedures and is not required to be independently assessed.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- As a minimum, assessors must satisfy the Standards for Registered Training Organisations 2015 assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>