



Australian Government

Assessment Requirements for PMASUP350 Control corrosion

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMASUP346 Control corrosion.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit:

- at least 2 times, each in a separate work context.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- all items on a schematic of the plant item and the function of each, including:
 - relevant alarms and actions
 - principles of operation of dosing equipment
 - process parameters and limits, including temperature, pressure, flow and pH
- physics and chemistry to the level of being able to provide an overview of the science of the corrosion control process
- corrosion control procedures
- galvanic series
- electrochemical corrosion
- types of corrosion and causes of anode formation
- factors controlling the rate of corrosion
- types of corrosion inhibitors used and their action
- corrosion testing methods
- costs and hazards of corrosion
- hierarchy of control
- corrosion abnormal situations, causes and required actions
- hazards associated with corrosion inhibitors and relevant hazard controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - industrial plant, tools, equipment and safety gear

- operating procedures.

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=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>