



**Australian Government**

**Assessment Requirements for PMASUP348  
Monitor and maintain cathodic protection  
systems**

**Release: 1**

# Assessment Requirements for PMASUP348 Monitor and maintain cathodic protection systems

## Modification History

Release 1. Unit Code and Application changed. Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMASUP343 Monitor and maintain cathodic protection systems.

## 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:

- Australian Standards relating to cathodic protection (CP) systems
- company-specific work organisations and workflows
- operations and functions of CP systems and equipment
- function of solar-powered power generation systems
- operations of 240 V power generation systems
- insulation and monolithic joints
- CP systems abnormal situations including causes and required action:
  - coating damage and deterioration
  - interference from other systems
  - anode not working
  - incorrect current output from central processing unit (CPU) and transmission (TR) unit
  - equipment faults and failure
- organisational procedures and documentation, including:
  - safety, emergency and hazard control
  - work permit systems
  - maintenance
  - standard operating procedures (SOPs)
  - survey specifications
- hierarchy of control
- CP systems hazards:
  - possible causes
  - potential consequences
- appropriate risk controls, including:

- electricity
- gases and liquids under pressure
- equipment failures
- flammability and explosivity
- extreme weather.

## **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:
  - CP systems, tools, equipment and safety gear equipment
  - operating procedures
- abnormal situations must be relevant to cathodic protection systems.

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>