



Australian Government

Assessment Requirements for PMAOPS332 Generate electrical power

Release: 1

Assessment Requirements for PMAOPS332 Generate electrical power

Modification History

Release 1. Unit code and changed. Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMAOPS325 Generate electrical power.

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, for an offshore, remote or other facility that generates electrical power.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- all items on a schematic of the production unit, including:
 - principles of operation of plant and equipment, including cathodic protection techniques, switching techniques, earthing techniques, voltage systems, electrical generation and distribution theory, and theory of synchronisation
 - interactions between plant item and processes
 - operating parameters and integrity limits, and product specifications and tolerances including temperature
 - impact of external factors (including variations in weather and feed)
 - procedures for starting, stopping, operating, controlling and isolating the plant
 - emergency shutdown procedures
 - functions of major components and troubleshooting techniques
- physics to the level of being able to provide an overview of the science of the electrical power generation process
- electrical power generation abnormal situations and required actions, including:
 - variation or loss of fuel
 - variation or loss of energy supply
 - control equipment failure
 - power demand changes
 - change in atmospheric condition (rain, temperature, wind, lightning)
 - emergency situations
- hierarchy of control
- hazards associated with chemical substances, including polychlorinated biphenyl (PCBs)
- electrical generation hazards:

- possible causes
- potential consequences
- appropriate risk 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:
 - power generation plant
 - operating procedures
- abnormal situations must be relevant to a power generation system.

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>