



Australian Government

Assessment Requirements for PMAOPS369 Operate and troubleshoot drain and vent systems

Release: 1

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Modification History

Release 1. This version was released with PMA Chemical, Hydrocarbons and Refining Training Package, Release 2.0.

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 drain and vent systems including:
 - drain and vent system items, functions, troubleshooting techniques, and potential for overpressure
 - principles of operation
 - operating parameters and integrity limits, and product specifications and tolerances, including temperature, pressure, flow and oxygen content
 - workplace procedures and correct methods of starting, stopping, operating, controlling and isolating and de-isolating the systems
 - emergency shutdown procedures
 - process control philosophies and strategies
 - interactions between plant items and processes
 - equipment safeguarding relevant to the systems and area
- process-specific physics and chemistry to the level of being able to provide an overview of the science of the drain and vent systems
- drain and vent system abnormal situations and required action, including but not limited to:
 - variation or loss of supply
 - unstable control of pressure, temperature, level and flows
 - control equipment failure inclusive of incorrect valve status
 - system trips
 - change in atmospheric conditions (including rain, temperature, wind, lightning and calm weather)
 - poor quality from test results
 - analyser inaccuracy or malfunction

- hierarchy of control
- drain and vent system hazards:
 - possible causes
 - potential consequences
 - appropriate risk controls
 - reporting and escalation procedures.

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:
 - real industrial equipment located in either a live plant or a realistic simulated industrial environment
 - routine operating procedures.

Abnormal situations must include:

- industry incidents or events relevant to the operation of drain and vent systems
- actions adhering to workplace policies and 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>.