



**Australian Government**

# **PMAOMIR306 Operate control panel during an emergency**

**Release: 1**

# PMAOMIR306 Operate control panel during an emergency

## Modification History

Release 1. Unit code and title changed. Application and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMAOMIR305 Operate panel during an emergency.

## Application

This unit describes the skills and knowledge required to operate a control panel during an emergency and apply the relevant technical and plant knowledge to assess, monitor and respond to the emergency and maintain operations. This unit applies after an emergency has been declared or when conditions in the plant or process have escalated to an emergency.

This unit applies to an individual working as part of a team or group, and working in liaison with other shift and emergency response team members, and the incident commander and control-room operator.

The control-room operator will act under the direction of a designated incident commander in a declared emergency incident. While this role may be delegated to another person, responsibility for the correct operation of the control room and its operators remains with the commander.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

This unit is relevant to the *Control of Major Hazard Facilities National Standard [NOHSC:1014 (2002)]* and *National Code of Practice [NOHSC:2016(1996)]*. Contextualisation must be undertaken in order to ensure compliance with specific state or territory legislation.

## Pre-requisite Unit

PMAOPS315 Operate and troubleshoot process control systems.

## Competency Field

Incident readiness and response.

## Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                   |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 1. Assess a potential emergency according to     | 1.1 Identify emergency and clarify cause of the alarm                                                  |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                 |
| procedures                                       | 1.2 Prepare for response to emergency<br>1.3 Escalate to emergency response<br>1.4 Report the critical situation<br>1.5 Return to normal operations                                                                                                                                                                                                                                                                    |
| 2. Respond to emergency according to procedures  | 2.1 Activate all relevant alarms<br>2.2 Communicate with relevant personnel to determine status and provide updates<br>2.3 Check status of all relevant plant systems and take appropriate action<br>2.4 Maintain a record of critical information<br>2.5 Shut down plant items                                                                                                                                        |
| 3. Monitor emergency                             | 3.1 Monitor escalation of the emergency<br>3.2 Monitor critical variables of relevant plant<br>3.3 Monitor weather and other external conditions<br>3.4 Clarify and act on information received<br>3.5 Make changes as requested by incident commander<br>3.6 Keep parts of the plant that are still online operational<br>3.7 Communicate with personnel throughout emergency to determine status and provide updates |
| 4. Conclude emergency response                   | 4.1 Sound all clear when instructed<br>4.2 Confirm which plant systems can be operated<br>4.3 Bring operational plant back to best-available operating conditions<br>4.4 Review emergency response according to procedures                                                                                                                                                                                             |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Learning skills to follow instructions, monitor process and select appropriate procedure.
- Reading skills to follow written procedures and documentation.

- Writing skills to complete written documentation.
- Oral communication skills to liaise and coordinate with other shift and emergency-response team members, the incident commander and the control-room operator.
- Numeracy skills to monitor critical variables.
- Technology skills to operate the control panel.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## **Unit Mapping Information**

Equivalent to PMAOMIR305 Operate panel during an emergency.

## **Links**

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>

# Assessment Requirements for PMAOMIR306 Operate control panel during an emergency

## Modification History

Release 1. Unit code and title changed. Application and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMAOMIR305 Operate panel during an emergency.

## 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, and including at least 1 of the following emergencies:
  - loss of control of a process
  - unstable process, feed or utilities.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types of emergencies that can arise and panel operations appropriate to control emergency situations
- critical variables of plant
- organisational procedures, including:
  - safety, hazards and hazard control
  - incident, fire and accident
  - emergency response
  - communication systems
  - reporting
- how to access and interpret weather and external conditions
- hazards that may arise in an incident and appropriate risk controls
- alarms, causes of alarms and false alarms
- indicators of developing and existing critical situations.

## Assessment Conditions

Skills must have been demonstrated 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:
  - distributed control system (DCS); may use a DCS linked to a plant simulator where a suitable simulator is available

- emergency response 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>