



Australian Government

PMA WHS213 Undertake fire control and emergency rescue

Release: 1

PMAWHS213 Undertake fire control and emergency rescue

Modification History

Release 1. Supersedes and is equivalent to PMAOHS213B Undertake fire control and emergency rescue

Application

This unit of competency covers the skills and knowledge required to function as a member of an emergency response team in order to respond to fire emergencies in onshore and/or offshore facilities.

This unit of competency applies to operators who, as a normal part of their duties, are required to work with team members to confirm required response to a fire emergency, select and use emergency equipment, and conduct search and rescue according to procedures.

The person undertaking this competency must be able to work alone and also within an environment which requires a high level of teamwork and interpersonal communication.

This unit of competency applies to any installation or facility, including but not limited to:

- onshore/offshore rig/installation
- island based facility
- floating production platform
- onshore production, processing and/or storage facility
- pipeline easement
- maintenance base.

This unit of competency may be delivered as part of an induction program.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Work health and safety

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|--|-----|--|
| 1 | Respond to identified fire emergencies | 1.1 | Communicate the nature and extent of the fire emergency to team members in order to confirm required actions and responses |
| | | 1.2 | Apply knowledge of fire chemistry, fire characteristics and chemical hazards to assessment of the fire emergency and communicate the action required |
| | | 1.3 | Advise others of the nature and extent of the fire emergency from a knowledge of appropriate fire control strategies |
| | | | |
| 2 | Deploy fire emergency equipment | 2.1 | Utilise knowledge of the location and availability of fire-fighting equipment in the control of a fire emergency |
| | | 2.2 | Select and utilise appropriate personal protective equipment (PPE) and breathing apparatus |
| | | 2.3 | Apply appropriate fire-fighting and containment media in a safe and coordinated manner, in accordance with the manufacturer specifications and the organisation's procedures, to attack and control the fire emergency |
| | | | |
| 3 | Undertake search and rescue of affected areas | 3.1 | Confirm the need to conduct the search and rescue with team leaders or other nominated personnel |
| | | 3.2 | Conduct systematic primary and secondary searches |
| | | 3.3 | Search rooms and mark in accordance with the organisation's procedures |
| | | 3.4 | Lead occupants to safety |
| | | 3.5 | Locate injured personnel and transfer them in an appropriate manner to a safe location |
| | | 3.6 | Minimise the risk of further injury to affected personnel |

by applying casualty handling techniques and handing them to the care of medical personnel once clear of threat of fire

- 3.7 Communicate extent of injuries and casualty numbers to other support groups and request further assistance as required

Foundation Skills

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

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework

The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:

- legislative requirements, including work health and safety (WHS)
- industry codes of practice and guidelines
- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

All operations to which this unit applies are subject to stringent health, safety and environment (HSE) requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and HSE requirements, the HSE requirements take precedence.

Procedures

All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, include one or more of the following:

- emergency procedures
- manufacturer specifications
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant

Control and rescue equipment

Control and rescue equipment includes one or more of the following:

- fire-extinguishing agents and water curtains
- hoses

- mobile extinguishers
- stretchers
- PPE, such as:
 - chemical protective clothing
 - distress alarms
 - structural fire protective clothing
- self contained breathing apparatus (SCBA)
- communication equipment

Fire extinguishing media

Fire extinguishing media includes the following:

- water
- foam
- extinguishing powder
- gaseous extinguishing agents
- vapourising liquids
- other fire-extinguishing substances

Fire-fighting strategies and tactics

Fire-fighting strategies and tactics include one or more of the following:

- direct attack
- indirect attack
- combination attack
- exposure protection
- internal/offensive attacks
- confining the spread of fire
- rescuing occupants
- cooling the fuels
- removal of fuels
- interrupting the chemical chain reaction
- exclusion of oxygen

Unit Mapping Information

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Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>