



Australian Government

PMAWHS511 Manage emergency incidents

Release: 2

PMAWHS511 Manage emergency incidents

Modification History

Release 2. Amended bullet point in Performance Evidence for clarity. Supersedes and is equivalent to PMAWHS511.

Release 1. Supersedes and is equivalent to PMAOHS511A Manage emergency incidents.

Application

This unit of competency covers the skills and knowledge required to manage and coordinate an emergency response.

This unit of competency applies to operators who are required to assess the magnitude and impact of the emergency, gather and coordinate all of the necessary emergency response personnel and equipment and direct their implementation, and initiate all of the necessary communication responses, both within and outside the facility.

In a typical scenario the person in charge of a facility undertakes the management, coordination and response to emergency situations within the facility.

Typical facilities could include:

- onshore/offshore installation/rig
- floating facility (e.g. floating storage and offloading (FSO), floating production, storage and offloading (FPSO), and floating liquefied natural gas (FLNG))
- onshore hydrocarbons production, processing and/or storage facilities
- pipeline and related facilities
- chemicals manufacturing plant.

This unit of competency applies to persons who would normally be in control or command of the facility or be required to deputise in this role.

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

Elements and Performance Criteria

Elements describe the Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

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| 1 | Collect and assess emergency information | 1.1 | Ascertain the scope and severity of the emergency as quickly as possible, from information received from alarms, personnel and other means |
| | | 1.2 | Collate and assess information on emergency |
| | | 1.3 | Develop responses to the information received based on emergency response planning |
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| 2 | Implement emergency response strategies | 2.1 | Develop, or promptly implement, on-site strategies in order to combat the emergency |
| | | 2.2 | Monitor continuously information flows relating to the emergency in order to evaluate the effectiveness of the implemented strategy |
| | | 2.3 | Coordinate team activities and resource allocation and direct them to meet the identified emergency |
| | | 2.4 | Delegate authority to appropriate personnel as the situation warrants |
| | | | |
| 3 | Liaise with emergency control | 3.1 | Collate and communicate information relating to the emergency to emergency control centre |
| | | 3.2 | Request external assistance if required |
| | | 3.3 | Coordinate/incorporate external assistance into emergency response |
| | | 3.4 | Control internal and external communication in accordance with the emergency response plan |
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| 4 | Coordinate emergency responses | 4.1 | Convey feedback relating to progress/status of the emergency to emergency response teams and other personnel |
| | | 4.2 | Regularly reassess and modify responses and tactics in accordance with the status of the emergency |
| | | 4.3 | Conduct periodic 'time outs' to enable situation updates and proactive directing of resources and actions |

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| 5 | Assess emergency response/actions | 5.1 Collate and assess information on status of the emergency to enable a final decision to be made and communicated to declare the end of the emergency, or abandonment of the facility

5.2 Consider future stages of the emergency and develop mitigation strategies in advance of those events |
| 6 | Undertake post-emergency evaluation | 6.1 Undertake a post-response evaluation of the emergency in order to determine the effectiveness of the response strategies and the emergency response plan

6.2 Recommend and communicate modification and adjustments to the emergency response plans to appropriate personnel

6.3 Review and modify planning of emergency response exercises and training in light of the outcomes of the emergency response evaluation |

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.

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| 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: <ul style="list-style-type: none"> • 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.

Resources Systems and resources include the following:

- emergency repair equipment and tools, including pipeline repair equipment
- emergency response systems
- emergency communication systems
- work management systems
- installation facility and operational layout
- safety case or hazard control plan management systems

External services External services and third-parties include one or more of the following:

- fire brigade
- police
- ambulance
- air traffic control
- emergency services
- relevant state/territory or federal government agency
- local councils
- shippers and customers
- medical establishments
- consortium partners
- national or international medivac services

Unit Mapping Information

Release 1. Supersedes and is equivalent to PMAOHS511A Manage emergency incidents

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 PMAWHS511 Manage emergency incidents

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include the ability to:

- rapidly assess a situation and process information quickly under pressure
- communicate clearly and unambiguously with team members, management and other personnel under stress
- lead and manage/supervise team members in emergency situations
- facilitate and manage emergency responses, allocate resources and prioritise activities
- utilise all available internal and external resources
- interpret information about changing conditions, hazards and individuals' needs and make prompt decisions about appropriate action and allocation of resources
- facilitate evaluation of emergency response and make recommendations for improvements
- write strategies, tactics and procedures.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- organisational procedures, including those covering:
 - safety, hazards and hazard control
 - incident, fire and accident
 - environmental protection
 - risk assessment/risk management
 - personal protective equipment (PPE)
 - relevant facility fire management and safety systems
 - communication systems
 - emergency response plans
- hazards that may arise in the job/work environment, and:
 - their possible causes
 - potential consequences
 - risks
 - appropriate risk controls

- fire chemistry, fire characteristics and chemical hazards
- location and availability of fire-fighting equipment
- types and application of fire-fighting and containment media
- types and application of non-fire emergency containment and control
- hazard identification, assessment and control of risk
- types and application of PPE and breathing apparatus
- search and rescue techniques (including self rescue techniques)
- teamwork principles and techniques
- types and impact of emergency tactics
- casualty handling techniques.

Assessment Conditions

Assessment for this unit of competency will be in a simulated environment. Simulation should be based on emergency incidents relevant to the particular facility/installation and will include walk-throughs of the relevant competency components. Simulations may also include the use of case studies/scenarios, role plays and 3-D virtual reality interactive systems. ‘War gaming’ is an appropriate approach.

The unit will be assessed in as holistic a manner as is practical and the judgement of competence based on a holistic assessment of the evidence.

The collection of performance evidence:

- must provide evidence of the ability to manage emergency incidents over the range of situations which might be expected to be encountered
- must include the demonstration of managing and coordinating an emergency incident in a simulated environment.

Assessment should occur in a simulated environment which sufficiently replicates realistic operational workplace conditions that cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Knowledge evidence may be collected concurrently with performance evidence (provided a record is kept) or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept).

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Foundation skills are integral to competent performance of the unit and should not be assessed separately.

Assessors must satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator.

In addition, the assessor or anyone acting in subject matter expert role in assessment must demonstrate both technical competency and currency. If the assessor cannot demonstrate technical competency and currency they must assess with a subject matter expert who does meet these requirements.

Technical competence can be demonstrated through one or more of:

- relevant VET or other qualification/Statement of Attainment
- appropriate workplace experience undertaking the type of work being assessed under routine and non-routine conditions
- appropriate workplace experience supervising/evaluating the type of work being assessed under routine and non-routine conditions

Currency can be demonstrated through one or more of:

- being currently employed undertaking the type of work being assessed
- being employed by the organisation undertaking the type of work being assessed and having maintained currency in accordance with that organisation's policies and procedures
- having consulted/had contact with an organisation undertaking the type of work being assessed within the last twelve months, the consultation/contact being related to assessment
- conducting on-the-job training/assessments of the type of work being assessed
- being an active member of a relevant professional body and participating in activities relevant to the assessment of this type of work.

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