



Australian Government

PUAOIL304 Use advanced equipment operations for oil spill response

Release: 1

PUAOIL304 Use advanced equipment operations for oil spill response

Modification History

Release 1. This is the first release of this unit of competency in the PUA Public Safety Training Package.

Application

This unit involves the skills and knowledge required to safely deploy, operate, monitor and recover advanced oil spill response equipment.

The unit is applicable to personnel responsible for the choices and deployment of appropriate advanced oil spill response equipment to meet the type of oil spill operations and environmental conditions for Level 1, 2 or 3 responses.

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

Pre-requisite Unit

Not applicable.

Competency Field

Marine Pollution Response

Unit Sector

Not applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Manage safety of operation

PERFORMANCE CRITERIA

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

- 1.1** Identify hazards and risks for the site and equipment use through a job safety analysis
- 1.2** Apply the hierarchy of controls to manage hazards and risks

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| | 1.3 | Select, use, maintain and store personal protective clothing and equipment, in accordance with Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) and Safety Data Sheet (SDS) requirements |
| 2 Communicate with work team and incident management team | 2.1 | Prepare site specific deployment plans based on the incident action plan |
| | 2.2 | Plan, prepare and present briefs and debriefs to relevant personnel |
| | 2.3 | Maintain communication channels with all stakeholders involved in the deployment and recovery of oil spill response equipment |
| | 2.4 | Ensure oil spill response personnel can deploy equipment in a team environment |
| 3 Prepare equipment for use | 3.1 | Identify required advanced oil spill response equipment using the incident action plan and/or site specific deployment plan |
| | 3.2 | Conduct routine preoperational checks of equipment using organisational procedures and manufacturers' specifications |
| | 3.3 | Identify and segregate faulty equipment for repair or replacement |
| | 3.4 | Identify equipment requiring licensed operators |
| 4 Operate and/or deploy equipment | 4.1 | Use equipment, in accordance with state, territory and Commonwealth licensing requirements |
| | 4.2 | Operate and monitor equipment, in accordance with organisational procedures, manufacturers' specifications and supervisor's instructions |
| | 4.3 | Carry out work, in accordance with organisational procedures, WHS/OHS requirements and the incident action plan |
| | 4.4 | Identify and record the use of equipment consumables |
| 5 Monitor operations | 5.1 | Monitor, assess and reassess the effectiveness of equipment and/or the recovery operation |

	5.2	Identify, action and monitor environmental implications associated with the operation and maintenance of equipment
	5.3	Identify any changes to response as a result of ongoing monitoring of operations
6 Check, clean and store equipment	6.1	Maintain records of equipment use, in accordance with organisational procedures, the incident management system and incident action plan
	6.2	Clean, secure and store equipment, in accordance with organisational procedures, manufacturers' specifications, maintenance manual and/or supervisor's instructions
	6.3	Report and take action on equipment malfunction, fault, wear or damage, in accordance with organisational procedures
	6.4	Maintain and clean workplace, in accordance with organisational procedures, WHS/OHS requirements and demobilisation plan

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUAOIL302 Use advanced equipment operations for oil spill response.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUAOIL304 Use advanced equipment operations for oil spill response

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes

- applying Work, Health and Safety (OHS)/Occupational Health and Safety (OHS) requirements
- checking, cleaning and storing advanced equipment
- communicating with work team, incident management team and stakeholders including conducting briefings and debriefings
- completing maintenance records
- conducting pre-operational checks
- demonstrating safe deployment and operation of equipment to contain, recover and store oil
- ensuring safety and hazard control procedures are implemented
- following organisational policies and procedures
- handling and using equipment safely including loading and unloading of equipment and materials
- identifying hazardous situations and taking appropriate action
- identifying hazards including chemical and operational and working environments
- managing the safety of oil spill operation
- modifying activities dependent on risk and environment
- monitoring and reassessing situations to ensure response meets environmental conditions
- monitoring equipment performance including identifying equipment requiring licensed operators
- performing risk assessments
- preparing advanced equipment for use
- reading and interpreting Safety Data Sheets (SDS)
- recognising and addressing problems when dismantling, inspecting and assembling equipment
- using personal protective clothing and equipment
- working safely

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the

requirements of the elements and performance criteria and includes knowledge of

- communication methods and techniques including briefing and debriefing processes
- deployment plans
- environmental implications
- hazards including chemical and operational and working environments
- hierarchy of controls
- incident action plans
- operational characteristics of advanced oil spill response equipment
- organisational documentation, policies and procedures
- personal protective clothing and equipment
- safe operation of equipment
- Safety Data Sheets (SDS)
- WHS/OHS requirements and responsibilities including risk mitigation processes

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

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.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operations manuals.

Links

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