



Australian Government

Assessment Requirements for PUAOIL404

Apply decision making strategies in an oil spill response

Release: 1

Assessment Requirements for PUAOIL404 Apply decision making strategies in an oil spill response

Modification History

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

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 (WHS)/Occupational Health and Safety (OHS) requirements
- communicating with stakeholders through the incident action plan
- considering response options when making decisions
- establishing and communicating oil spill response objectives
- establishing context of oil spill including collecting intelligence
- implementing a response and scaling appropriately
- implementing response plans
- interpreting details of a management plan which includes stakeholder analysis, explanation of the risk context, critical success factors, identified and analysed risks and treatments for prioritised risks
- monitoring arrangements for risk management plan including the evaluation of treatments for risks
- solving problems appropriate to identified risks
- sourcing of intelligence including tides, currents and weather forecasts
- undertaking critical analysis of oil spill incident and determining critical factors including appropriate approvals, environment, health and safety of responders and community and minimisation of impact

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

- behaviour of oil including
 - movement of oil including volume, spread, drift, area of coverage, percentage, coverage, rate of flow, flow continuing, and flow stopped
 - weathering and influence on oil character including spreading, evaporation, emulsification (mousse formation), dispersion, dissolution, sinking and sedimentation, biodegradation and photo-oxidation

- character of oil including
 - chemical characteristics including aromatic content, aliphatic content, asphaltene content and wax content
 - oil character influence on response options including selection of response equipment and amenability to chemical dispersion
 - physical characteristics such as flash point, pour point, in relation to surface water temperature, solubility, density (API gravity or specific gravity), in relation to density of sea water, viscosity, viscous or non-viscous, thickness, stickiness, in relation to adherence to physical structures or habitats and persistence
- context of the oil spill including location, environmental sensitivity, estuaries, wildlife habitats, tourism, indigenous culture and business and industry
- legislation, codes of practice and industry standards
- limitations and benefits of oil spill response equipment
- management of health and safety issues
- oil spill context, oil types, spill behaviours and effects within the marine environment
- organisational documentation, policies and procedures
- response options taking into account
 - critical factors
 - response options including monitor and evaluate, contain and recover, protect and deflect, shoreline clean up and waste management
 - scale of response including magnitude of the incident, available human and physical resources, geographic location, response timeframes and accessibility
- Safety Data Sheets (SDS)
- sources of intelligence including aerial observations, Australian Dangerous Goods Code, initial visual reports (location), Material Safety Data Sheets (MSDS)/Safety Data Sheets (SDS), net environmental benefit analysis, oil samples, oil spill response atlas, oil spill trajectory modelling, reports from operational, technical and environmental advisors and reports from ship's master indicating type and quantity of oil spill
- specialist advisors including operational, technical and environmental experts such as environmental scientists, marine pollution experts, Australian Maritime Safety Authority (AMSA), oil importers and exporters, ships masters, salvage advisors and government agencies
- stakeholders including federal, state, territory and local government agencies and representatives from businesses, community, protection and indemnity, indigenous communities, marine oil response teams, media, salvors and ship owner, charterer or manager
- strategic planning methodologies including Political, Economic, Social and Technological (PEST) analysis and Strengths, Weaknesses, Opportunities and Threats analysis (SWOT)
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements including risk factors and 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.

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

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.

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 must be based on a real or simulated oil response situation where multiple decisions may be made but where critical analysis of information allows for considered and justifiable actions.

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

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