



Australian Government

AHCMAR301 Conduct a subtidal marine monitoring operation from a vessel or platform

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to conduct a subtidal marine monitoring operation from a vessel or platform associated with scientific research, baseline monitoring or inspection and assessment programs for marine areas. It does not involve diving for scientific purposes.

The unit applies to individuals who work in a marine conservation and management role under broad supervision and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources and for solving problems.

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

Pre-requisite Unit

Nil

Unit Sector

Marine (MAR)

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. Plan subtidal marine monitoring operations	1.1 Identify marine monitoring objectives from monitoring program, and confirm with supervisor and experts 1.2 Determine equipment and personnel required for marine monitoring operations 1.3 Determine timing of monitoring program in consideration of

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	environmental and logistical factors 1.4 Prepare a plan and timeline for a marine monitoring program
2. Prepare for subtidal marine monitoring operations	2.1 Confirm permission for marine monitoring program has been approved, and notify stakeholders 2.2 Assemble required marine monitoring, logistical and support equipment and materials 2.3 Check equipment for compliance with biosecurity requirements 2.4 Check operation of underwater equipment and integrity of waterproof seals 2.5 Lubricate, repair or replace components according to manufacturer instructions 2.6 Prepare equipment and materials for transport 2.7 Identify hazards, assess risks and implement controls according to workplace health and safety procedures 2.8 Review operating and emergency procedures for marine monitoring program, and brief personnel
3. Conduct subtidal marine monitoring operation	3.1 Transport equipment and materials to monitoring location 3.2 Prepare subtidal marine monitoring equipment for deployment according to operator instructions and biosecurity procedures 3.3 Deploy equipment and implement monitoring procedure 3.4 Record marine monitoring data 3.5 Monitor the program and make and record adjustments according to program requirements
4. Conduct post-monitoring operations	4.1 Secure and download recorded data 4.2 Clean, service and maintain marine monitoring equipment according to manufacturer instructions and biosecurity requirements 4.3 Organise repair or replacement of faulty equipment 4.4 Store marine monitoring equipment in line with manufacturer's instructions 4.5 Record incidents, and lead a debrief after marine monitoring operations

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Writing	Accurately record monitoring information using industry specific language and workplace format and protocols
Oral communication	Interact supervisor using collaborative and inclusive techniques, including active listening and questioning and reading of non-verbal signals, to convey and clarify monitoring instructions and actions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMAR301 Conduct a subtidal marine monitoring operation from a vessel or platform	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>