



Australian Government

RIIMEX503E Manage dredging operations

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

Application

This unit describes the skills and knowledge required to manage dredging in civil construction, metalliferous mining and extractive industries. It involves developing, initiating and administering dredging plans using dredging parameters.

The unit applies to those working in management or technical specialist roles. They generally monitor a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	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 and prepare to manage dredging operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply management of dredging operations documentation and confirm the work activity is compliant 1.3 Identify potential hazards and environmental issues, implement control measures within scope of own role and escalate where required 1.4 Select and wear personal protective equipment according

ELEMENT	PERFORMANCE CRITERIA
	to site requirements 1.5 Obtain and interpret geological and survey data 1.6 Obtain, interpret and clarify the dredging plan parameters 1.7 Communicate and coordinate activities with relevant personnel
2. Develop and prepare to implement dredging operations plan	2.1 Communicate planned activities with stakeholders and confirm their support for the work activity 2.2 Identify and source resources and equipment required to implement dredging plan 2.3 Develop and document dredging plan considering the dredging operations parameters and geological and survey data 2.4 Identify team training needs and confirm required training is provided 2.5 Prepare and present dredging plan budget
3. Implement, monitor and adjust dredging operations plan	3.1 Communicate and clarify dredging plan with involved personnel according to job requirements 3.2 Provide ongoing support and advice to those implementing dredging plan 3.3 Confirm that dredge area is marked out according to job requirements 3.4 Confirm records and reports are maintained according to site requirements 3.5 Monitor dredging performance and outcomes against dredge plan expectations and budget 3.6 Resolve variances in consultation with relevant stakeholders and issue instructions for adjustments to the plan

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Calculates resourcing requirements
Oral communication	Conveys information and requirements clearly and listens actively

SKILL	DESCRIPTION
Reading	Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	Prepares specific information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIMEX503D Manage dredging operations.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>