



Australian Government

RIIMEX402D Supervise dredging operations

Release: 2

RIIMEX402D Supervise dredging operations

Modification History

Release	Comment
1	This unit replaces RIIMEX402A Supervise dredging operations
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to supervise dredging operations in Civil construction, Metalliferous mining and Extractive.

This unit is appropriate for those working in supervisory roles.

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

Unit Sector

Civil construction

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for supervision of dredging operations	1.1 Access, interpret and apply dredging operations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Access, share and clarify the geological and survey data with team members 1.6 Prepare an implementation action plan, in consultation with team members, making best use of the available resources
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	1.7 Acquire and make available the necessary resources for the dredging operations 1.8 Issue clear and timely instructions to team members and others involved
2. Monitor, adjust and report on execution of the dredging operations	2.1 Ensure safe, effective and efficient execution of the dredging plan 2.2 Monitor dredging operations performance, and ensure achievement of planned outcomes 2.3 Initiate adjustments to work programs, in consultation with team members, considering variances and non-achievement of planned outcomes 2.4 Identify training needs of team members and prepare training plans 2.5 Complete and submit written reports 2.6 Submit reasoned recommendations to improve the safety, efficiency and effectiveness of the dredging operations

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIMEX402A Supervise dredging operations

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIIMEX402D Supervise dredging operations

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient supervising of dredging operations including:
 - performing basic mathematical calculations
 - accessing and analysing survey and geological data
 - analysing hazards and risks, and implementing control measures
 - selecting and assigning resources, plant and equipment
- works effectively with others to undertake and complete supervision of dredging operations that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
 - providing team leadership with clear and timely instruction and supervision to those involved in dredging operations
 - identifying the training needs of others and preparing training plans
- demonstrates completion of supervising dredging operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - assessing and assigning appropriate plant and equipment, and operational techniques

- monitoring dredging operations and making required adjustments for variances and non-achievement
- assessing outcomes to make reasoned recommendations and write reports
- preparing training plans

Knowledge Evidence

The candidate must demonstrate knowledge of supervising dredging operations through:

- organising skills, work planning techniques, and work monitoring methods
- researching, analysing and supervising dredging operations
- writing reports to communicate procedural activity, breach or inadequacies to procedure and review process of the dredging operations
- applying problem solving skills to technical resources and infrastructure issue

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert
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		experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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