



Australian Government

RIIUND307D Conduct tele-remote operations

Release: 2

RIIUND307D Conduct tele-remote operations

Modification History

Release	Comment
1	This unit replaces RIIUND307A Conduct tele-remote 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 conduct tele-remote operations in Metalliferous Mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare to conduct tele-remote control operations	1.1 Access, interpret and apply tele-remote control operations documentation and ensure the work activity is compliant 1.2 Obtain, interpret, clarify and confirm work requirements and shift changeover details before proceeding 1.3 Select and wear appropriate personal protective equipment for work activity 1.4 Select appropriate type of tele-remote equipment 1.5 Perform equipment pre-start checks 1.6 Identify, address and report potential risks, hazards and environmental issues 1.7 Carry out start-up, park and shutdown procedures
---	--

	1.8 Confirm location and construction of remoting area 1.9 Erect barricades or signage and/or safety provisions where appropriate to prevent unauthorised access 1.10 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.11 Inspect and assess site conditions to determine if scaling is required and take action 1.12 Use approved dust suppression and extraction methods 1.13 Ensure area is well ventilated before entry into work area
2. Setup tele-remote operation	2.1 Check transmitter functions for correct operation 2.2 Ensure communication is available for operator at all times during operation 2.3 Confirm operation of visible warning lights 2.4 Check receiver and cameras are installed and operating correctly 2.5 Ensure proximity device or barrier is operational 2.6 Activate/erect warning signs in control room
3. Conduct tele-remoting	3.1 Monitor control room indicators for equipment and environment feedback 3.2 Maintain constant control of remote equipment 3.3 Continuously assess ground conditions and determine safest operating method and efficiency of operations 3.4 Identify cause when proximity sensors are activated and report incident 3.5 Reset proximity sensors 3.6 Shutdown and secure remote controls whilst not in use 3.7 Complete all required documentation clearly, concisely and on time 3.8 Pass on end-of-shift information to oncoming shift
4. Carry out operator maintenance	4.1 Carry out operator maintenance 4.2 Carry out park-up and shutdown procedures 4.3 Service and make minor adjustments to equipment 4.4 Visually inspect equipment, report faults and make equipment available for operational maintenance
5. Conduct	5.1 Clean equipment and remoting area

housekeeping activities	5.2	Clean and store auxiliary service equipment
	5.3	Complete all required records and documentation accurately

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

RIIUND307A Conduct tele-remote 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 RIIUND307D Conduct tele-remote operations

Modification History

Release	Comment
1	This unit replaces RIIUND307A Conduct tele-remote 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.

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 documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of tele-remote operations, including:
 - testing and identifying remote control faults
 - operating, maintaining and cleaning equipment
 - monitoring remote equipment operation
 - erecting barrier systems
- demonstrates completion of tele-remote operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing equipment pre-start, start-up, park-up and shutdown activities
 - operating radio controlled transmitter/receiver
 - operating equipment remotely

Knowledge Evidence

The candidate must demonstrate knowledge in conducting tele-remote operations through:

- accessing, interpreting and applying legislative, organisation and site requirements and procedures for:
 - environmental issues
 - equipment parking

- equipment safety
- isolation
- primary and secondary ventilation
- tele-remote operations
- identifying equipment processes, technical capability and limitations
- accessing and interpreting geological and technical data (basic)

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 must be assessed in the context of this sector's work environment; 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 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

Links

Companion Volume implementation guides are found in VETNet -

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