



Australian Government

Department of Education, Employment and Workplace Relations

RIIPEO206A Lay and recover cables and hoses

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the laying and recovering cables and hoses in coal mining. It includes the planning and preparing for; laying and recovery of cables and hoses; and carrying out operator maintenance on cable laying equipment.

Application of the Unit

This unit is appropriate for those working in operational roles, at worksites within:

- Coal mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare for laying and recovery	1.1. Access, interpret and apply compliance documentation relevant to the laying and recovering cables and hoses 1.2. Obtain, interpret and clarify/confirm work requirements before proceeding 1.3. Access and apply safety information and procedures throughout the work 1.4. Identify, obtain and prepare equipment required for the work as per the plan
2. Perform cable and hose laying and recovery	2.1. Resolve coordination activities with others at the site prior to commencement of, and during, the work activity 2.2. Carry out pre-start, start-up and shutdown procedures 2.3. Carry out cable and hose laying and recovery by engaging controls to govern speed, direction and tension 2.4. Lay excess cable safely 2.5. Prepare and visually inspect cables for connection, and mark the location 2.6. Recognise and respond to hazardous and emergency situations
3. Carry out operator maintenance on cable laying equipment	3.1. Carry out equipment inspections and fault-finding 3.2. Carry out routine operational servicing, lubrication and housekeeping tasks 3.3. Carry out minor maintenance to manufacturer's instructions and site requirements 3.4. Provide operator support during preparation for, and conduct of, major maintenance tasks 3.5. Process records

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to lay and recover cables and hoses:

- apply legislative, organisation and site requirements and procedures
- apply operational safety requirements
- access, interpret and apply technical information
- apply hand-eye coordination
- apply diagnostic techniques
- use hand tools
- apply environmental constraints during cabling operations
- apply equipment records maintenance requirements
- apply procedures for the disposal of environmentally sensitive fluids and materials

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to lay and recover cables and hoses:

- site and equipment safety requirements
- types, uses and characteristics of cables and hoses
- cable and hose safety
- cable and hose laying equipment characteristics, technical capabilities and limitations
- cable and hose laying and recovery operational and maintenance procedures
- maintenance procedures related to cable and hose laying operations
- basic geological, geographical and survey data
- hazard identification and response procedures
- site environmental requirements and constraints related to cabling operations

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following: • knowledge of the requirements, procedures and instructions for laying and recovering cables and hoses • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of the laying and recovering cables and hoses • working with others to undertake and complete the laying and recovering cables and hoses that meet all of the required outcomes • consistent timely completion of the laying and recovering cables and hoses that safely, effectively and efficiently meet the required outcomes
Context of and specific resources for assessment	• This unit must be assessed in the context of the 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 workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job. • Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non

	English speaking background may have second language issues. • Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • Where applicable, physical resources should include equipment modified for people with disabilities. • Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: • working with others to undertake and complete the laying and recovering cables and hoses
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Relevant compliance documentation may include:	• legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Work requirements may be from:	• shift briefings • handover details, and/or • work orders
Work requirements may include:	• the nature and scope of tasks • achievement targets • locations and routes • equipment/plant allocation (, including any defects) • site lighting arrangements • special arrangements • coordination requirements/issues
Safety information and procedures may include:	• legislation and regulations • relevant Australian standards • management plans • OHS policy • code of practice • manufacturer's instructions • safe working procedures (or equivalent) including: • boarding and disembarking procedures • avoidance of water • cable handling safety • operational signal procedures
Equipment may include:	• cable reeler types including: • modified loaders

	• trucks • scrapers • cable boat • cabling equipment and functions including: • establishing cable towers • establishing crossovers • working over high wall gantry • operating cable reelers • replacing wheels or drums • using stockings • star pickets • ropes • slings • signs/markers • other equipment including: • vehicles • graders • dozers
Cable and hose laying and recovery may include:	• the use of controls and capabilities of allotted equipment and the replacing of wheels or drums on an as required basis

Unit Sector(s)

Plant and Equipment Operation

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.