



Australian Government

RIIMCU307E Conduct longwall face equipment operations

Release: 1

RIIMCU307E Conduct longwall face equipment operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to conduct longwall face equipment operations in coal mining, including operating longwall coal conveying equipment and completing scheduled longwall face inspections.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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

Coal mining (underground)

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 conduct longwall face operations	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required for longwall face equipment operations 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures according to site requirements 1.4 Select and wear personal protective equipment according to site requirements 1.5 Access, interpret and apply mine environmental data according to site requirements

ELEMENT	PERFORMANCE CRITERIA
	<p>1.6 Conduct scheduled longwall face inspections according to site requirements</p> <p>1.7 Obtain and interpret emergency procedures and identify steps required to respond to emergencies</p>
2. Operate longwall equipment	<p>2.1 Coordinate activities with others within scope of own role</p> <p>2.2 Carry out pre-start and start-up procedures according to manufacturer specifications and site requirements</p> <p>2.3 Advance roof support equipment in sequence, maintain correct face alignment and support roof according to extraction plan and site requirements</p> <p>2.4 Operate longwall coal conveying equipment according to manufacturer specifications and site requirements</p> <p>2.5 Identify, monitor and respond to changing geological conditions according to site requirements</p> <p>2.6 Monitor hazards and risks and confirm safe operation of plant and equipment</p> <p>2.7 Monitor systems and alarms and rectify or report factors adversely affecting production according to site requirements</p> <p>2.8 Carry out shutdown, isolation and secure equipment procedures according to manufacturer specifications and site requirements</p>
3. Carry out operator maintenance	<p>3.1 Prepare machine and equipment for maintenance according to manufacturer specifications and site requirements</p> <p>3.2 Conduct inspection and fault finding according to manufacturer specifications and site requirements</p> <p>3.3 Carry out scheduled maintenance tasks according to manufacturer specifications and site requirements</p> <p>3.4 Carry out housekeeping activities according to site requirements</p> <p>3.5 Complete maintenance records according to site requirements</p>

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	<ul style="list-style-type: none"> Calculates basic measurements including mass and dimensions
Reading	<ul style="list-style-type: none"> Identifies and interprets information from workplace documentation and legislation

SKILL	DESCRIPTION
Self-management	<ul style="list-style-type: none">• Monitors and minimises own exposure to worksite risks and hazards during activities
Writing	<ul style="list-style-type: none">• Completes workplace reports using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIIMCU307D Conduct longwall face equipment operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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