



Australian Government

RIIPEO201E Conduct conveyor operations

Release: 1

RIIPEO201E Conduct conveyor 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 conveyor operations in coal and metalliferous mining, including conducting basic planning, preparation and maintenance activities to support operations.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

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

Unit Sector

Coal mining

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 for conveyor operations	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to conduct conveyor operations 1.3 Plan job and optimise production requirements within scope of own role 1.4 Identify, address and report environmental issues and ground conditions according to site requirements 1.5 Identify, address and report potential hazards and risks according to site requirements 1.6 Select and wear personal protective equipment according to site

ELEMENT	PERFORMANCE CRITERIA
	requirements 1.7 Obtain and interpret emergency procedures and identify steps required to respond to emergencies
2. Operate conveyor	2.1 Carry out prestart and start-up procedures according to manufacturer specifications and site requirements and confirm required safety devices are operational 2.2 Communicate work activities with others within scope of own role 2.3 Monitor conveyor performance using appropriate indicators and confirm safe operation of plant and equipment 2.4 Identify and remove/manage contaminants according to site requirements 2.5 Complete work plan according to job requirements and manufacturer specifications 2.6 Carry out shutdown and secure equipment procedures according to manufacturer specifications and site requirements
3. Carry out operator maintenance	3.1 Prepare machine for maintenance according to manufacturer specifications and site requirements 3.2 Conduct inspections and fault finding procedures according to manufacturer specifications and site requirements 3.3 Carry out scheduled maintenance tasks according to manufacturer specifications and site requirements 3.4 Return machine to service according to manufacturer specifications and site requirements 3.5 Complete maintenance records according to site requirements and manufacturer specifications as required
4. Carry out housekeeping activities	4.1 Clean and maintain condition of work area and equipment according to site requirements 4.2 Manage and/or report hazards according to site requirements 4.3 Complete records and reports according to site requirements

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 basic resourcing requirements
Reading	Identifies and interprets information in workplace documentation

SKILL	DESCRIPTION
Self-management	Monitors and minimises own exposure to worksite risks and hazards

Unit Mapping Information

Supersedes and is equivalent to RIIPEO201D Conduct conveyor operations.

Links

Companion Volume implementation guides is found on VETNet -

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

Assessment Requirements for RIIPEO201E Conduct conveyor operations

Modification History

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

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- conduct conveyor operations on at least two occasions, including:
 - conducting prestart, start-up, shutdown and secure equipment procedures
 - monitoring conveyor performance
 - minimising spillage while operating conveyor
 - identifying and removing contaminants
 - conducting minor maintenance and adjustment requirements
 - conducting housekeeping activities.

During the above, the candidate must:

- locate and apply required documentation, policies and procedures and confirm work activity is compliant
- work effectively with others to conduct conveyor operations that meet required outcomes, including:
 - organising work activities to meet task requirements
 - using a range of communications techniques and equipment to convey information to others
 - complying with reporting requirements and procedures
 - communicating to confirm work requirements.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key policies, procedures and documentation required to conduct conveyor operations, including those for:

- clearing blocked chutes and excessive spills
- moving parts and rotating equipment
- safety devices, including:
 - emergency stops
 - audible and visual alarms
 - conveyor lanyards
- isolation of plant and equipment
- communication methods
- prestart check techniques, including those for:
 - computer systems
 - conveyor belt and components
 - display instrumentation and gauges
 - greasing components
 - visual and audio warning devices and lights
 - emergency stop systems
 - guarding
- conveyor systems, indicators and related equipment configurations, including computer indicators
- conveyor and conveyor system equipment characteristics, technical capabilities and limitations, including:
 - start-up, shutdown and secure equipment procedures
 - operator maintenance procedures, including fault finding and scheduled maintenance tasks
 - shutdown techniques, including:
 - rectifying and/or reporting faults and defects, conditions and outstanding faults
 - restoring conveyor to condition for next start-up
 - completing logs and reporting requirements
- principles and techniques for:
 - monitoring conveyor performance
 - minimising spillage while operating conveyor
 - identifying and removing contaminants
- site environmental issues, ground conditions and constraints
- principles and techniques for identifying and responding to relevant hazards and emergencies
- site requirements for housekeeping, completing maintenance records and reporting requirements
- basic techniques for communicating job activities with others.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - conveyor
 - personal protective equipment
 - equipment required to conduct conveyor operations
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work 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.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the Companion Volume Implementation Guide located on VETNet.

**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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

*** While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

Links

Companion Volume implementation guides is found on VETNet -

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