



Australian Government

RIIPEO208E Extend, retract and maintain conveyor componentry

Release: 1

RIIPEO208E Extend, retract and maintain conveyor componentry

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 extend, retract and maintain conveyor componentry in coal mining, including belts, rollers, structures and belt control equipment.

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

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 extend, retract and maintain conveyor componentry	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required for conveyor componentry extension, retraction and maintenance 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 Obtain, transport and prepare materials and resources according job requirements 1.6 Prepare worksite according to job requirements

ELEMENT	PERFORMANCE CRITERIA
2. Install and retract belt conveyor componentry	2.1 Communicate work activities with others within scope of own role 2.2 Isolate and connect auxiliary componentry according to job requirements 2.3 Extend and retract belt conveyor componentry according to manufacturer specifications and site requirements 2.4 Inspect conveyor for line and level and confirm it meets job requirements 2.5 Recover conveyor equipment systematically and minimise loss and damage 2.6 Recognise and respond to hazards and emergencies as required
3. Carry out conveyor maintenance	3.1 Conduct inspections and fault finding processes according to manufacturer specifications and site requirements 3.2 Carry out routine operational servicing, lubrication and housekeeping tasks according to manufacturer specifications and site requirements 3.3 Carry out minor maintenance according to manufacturer specifications and site requirements 3.4 Provide operator support during preparation for, and conduct of, major maintenance tasks according to job requirements 3.5 Maintain written records 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 measurements including mass and dimensions
Reading	Identifies and interprets information from workplace documentation
Self-management	Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIPEO208D Extend, retract and maintain conveyor componentry.

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 RIIPEO208E Extend, retract and maintain conveyor componentry

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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:

- extend, retract and maintain conveyor componentry on at least two occasions, including:
 - using conveyor assembly procedures to extend conveyor
 - using conveyor assembly procedures to retract conveyor
 - identifying, using and maintaining conveyor componentry, including:
 - belt
 - rollers
 - structures
 - belt control equipment.

During the above, the candidate must:

- locate and apply applicable documentation, policies and procedures and confirm work activity is compliant
- implement the requirements, procedures and techniques for extending, retracting and maintaining conveyor componentry, including:
 - accessing and applying safety information and procedures
 - establishing and monitoring safe work environment
 - complying with site and manufacturer requirements
 - isolating, tagging and restoring tagging
 - maintaining written equipment records
- work effectively with others to extend, retract and maintain conveyor componentry in a way that meets required outcomes, including:
 - communicating work activities with others
 - participating in shift briefing
 - clearly and concisely communicating and interpreting handover details.

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 extend, retract and maintain conveyor componentry, including those relating to:
 - isolation
 - tagging
 - restoration after isolation
 - dust suppression
 - environmental requirements and constraints relating to conveyor work
 - operational safety requirements, including use of emergency stop devices
 - mine operational procedures
- principles and techniques for extending, retracting and maintaining conveyor componentry, including:
 - characteristics, technical capabilities and limitations of:
 - belt
 - rollers
 - structures
 - lock-outs
 - belt control equipment
 - safety equipment
 - hand tools
 - conveyor operations and componentry
 - conveyor assembly procedures
 - conveyor componentry maintenance requirements
- techniques for interpreting and applying survey information and plans
- techniques for operating relevant plant and machinery
- techniques for maintaining equipment records
- techniques for applying geological and survey information
- 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:
 - personal protective equipment
 - equipment required to extend, retract and maintain conveyor componentry
- 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

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
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.

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