



Australian Government

Department of Education, Employment and Workplace Relations

TLIB907C Check conveyor operational status

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit involves the skills and knowledge required to check conveyor operational status in accordance with workplace requirements, including inspecting conveyor system and work area, checking equipment operational capability, and identifying and assessing faults and reporting results of inspection and testing in accordance with workplace procedures and relevant regulatory requirements.

Application of the Unit

Work must be carried out in accordance with codes/regulations and workplace requirements relevant to the checking and assessment of the operational capability of equipment.

Safety checks and equipment tests are performed under limited supervision.

Work involves the application of regulatory requirements and workplace procedures to the checking and assessment of the operational capability of equipment in the stevedoring, transport, warehousing, distribution and/or storage industries.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this competency is packaged will assist in identifying employability skill requirements.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

Elements and Performance Criteria

Element	Performance Criteria
1 Inspect conveyor system and work area	1.1 The conveyor equipment is checked prior to start-up in accordance with workplace procedures, manufacturers safety checks and specifications to ensure it is free from damage and obstructions that may limit operational capability 1.2 Work area is checked to ensure that it is safe and appropriate for the required task
2 Check equipment operational capability	2.1 Conveyors are inspected after start-up in accordance with manufacturers specifications and workplace inspection specifications and procedures 2.2 Warning systems are checked for operational effectiveness 2.3 Records are checked to determine maintenance history and requirements and goods carried
3 Identify, assess faults and report results of inspection and testing	3.1 Faults are identified and assessments made of the potential effect on the operation of the equipment for the required work, and details forwarded to relevant personnel in accordance with workplace procedures 3.2 Accurate reporting of the results of the inspection and testing is kept in accordance with regulatory requirements, workplace policy and industry guidelines 3.3 Clear reference is made to any items which may affect the future safety/operation of the equipment 3.4 Conveyor system is continually monitored for safe and efficient operation

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

This describes the essential knowledge and skills and their level required for this unit.

Required knowledge:

Regulations relevant to the checking and assessing of the operational capability of conveyor, including, where relevant, the ADG Code and relevant bond, quarantine or other legislative requirements

Relevant OH&S and environmental protection procedures and guidelines

Workplace procedures and policies for the checking and assessing of the operational capability of conveyor

Focus of operation of work systems, equipment, management and site operating systems for the checking and assessing of the operational capability of conveyor

The purpose, characteristics, capabilities, requirements and limitations of the conveyor

Conveyed materials' potential for toxicity, reactivity, material grade, type and purpose including information from relevant material data safety sheets and ADG Code documentation (where applicable)

Function and principles of operation of belt cleaning systems

Tools and equipment used during the checking and assessing of the operational capability of conveyor and the precautions and procedures that should be followed in their use

Problems that may occur when checking and assessing the operational capability of conveyor and appropriate action that can be taken to resolve the problems

Operational safety requirements for the conveyor concerned

Documentation and record requirements

Housekeeping standards procedures required in the workplace

Site layout and obstacles

Required skills:

Communicate effectively with others when checking and assessing the operational capability of a conveyor

Read and interpret instructions, procedures, information and labels relevant to the checking and assessment of the operational status of a conveyor

Interpret and follow operational instructions and prioritise work

Complete documentation related to the checking and assessment of the operational status of a conveyor

Operate electronic communication equipment to required protocol

Work collaboratively with others when checking and assessing the operational capability of a conveyor

Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others

Promptly report and/or rectify any identified problems, faults or malfunctions that may be identified when checking and assessing the operational capability of a conveyor in accordance with regulatory requirements and workplace procedures

Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities

Monitor work activities in terms of planned schedule

Modify activities depending on differing operational contingencies, risk situations and environments

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Operate and adapt to differences in equipment in accordance with standard operating procedures

Select and use required personal protective equipment conforming to industry and OH&S standards

Monitor performance of conveyor equipment

Service conveyor equipment in terms of maintenance schedule and standard operating procedures

Evidence Guide

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

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 and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

the underpinning knowledge and skills

relevant legislation and workplace procedures

other relevant aspects of the range statement

Context of and specific resources for assessment

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments, access is required to:

relevant and appropriate materials and/or equipment, and/or

applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

Method of assessment

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

through appropriately simulated activities at

the registered training organisation, and/or
in an appropriate range of situations in the
workplace

Range Statement

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.

Work may be conducted:	in a range of work environments by day or night
Customers may be:	internal or external
Workplaces may comprise:	large, medium or small worksites
Work may be conducted in:	limited or restricted spaces exposed conditions controlled or open environments
Purposes of conveyor checks/inspections are:	to ensure that the conveyor and its safety devices and warning systems are operational, are in accordance with specifications, and are free from faults that may prejudice safety or limit operational capability
Conveyor may be enclosed or exposed, above or underground. Conveyor belt construction and materials may vary. Types of conveyors may include:	buckets rollers air slides drag chains gravity systems
Aspects of conveyor equipment covered by workplace inspection specifications and procedures may include but is not limited to:	belt surface and edges frame idlers motive power source tensions tracking speed guides
Checks may include but are not limited to:	visual checks in accordance with manufacturers instructions monitoring of operational performance

	service checks in accordance with manufacturers instructions
	tests and checks of safety devices and warning indicators in accordance with workplace and regulatory requirements
	checks on adjustments against specifications
	checks of readings on gauges and monitors against specifications
Records/results of checks may include:	details of out-of-performance indications
	details of faulty equipment or specific components
	details of action taken
	results of checks/tests
	details of repair and maintenance work to be undertaken
Requirements for work may include:	site restrictions and procedures
	use of safety and personal protective equipment
	communications equipment
	specialised lifting and/or handling equipment
	incident breakdown procedures
	additional gear and equipment
	noise restrictions
	hours of operations
	authorities and permits
Hazards in the work area may include exposure to:	chemicals and fumes
	dangerous or hazardous substances
	stationary and moving machinery, goods, materials and vehicular traffic
	contamination of, or from, materials being handled
	a fire or explosion
	service lines
	spills, leakages and ruptures
	dust/vapours

	faulty equipment/tools
Consultative processes may involve:	workplace personnel supervisors and managers equipment manufacturers site visitors contractors official representatives
Dependent of the type of organisation concerned and the local terminology used, workplace procedures may include:	company procedures enterprise procedures organisational procedures established procedures
Personal protective equipment may include:	gloves safety headwear and footwear safety glasses two-way radios respirators and fume masks protective clothing high visibility clothing
Communication in the work area may include:	phone fax email internet RF communications barcode readers oral, aural or signed communications
Information/documents may include:	workplace procedures and policies for the checking and assessment of the equipment concerned manufacturers specifications for equipment/tools equipment identification labels, barcodes and serial numbers supplier and/or client instructions

relevant OH&S requirements and policies
relevant Australian standards and certification requirements
material safety data sheets where applicable
codes of practice including the National Standards for Manual Handling and the Industry Safety Code
relevant legislation, regulations and related documentation including the ADG Code
award, enterprise bargaining agreement and other industrial arrangements
quality assurance procedures
emergency procedures

Applicable regulations and legislation may include:

relevant codes and regulations pertaining to the checking and operation of the conveyor system concerned including the ADG Code where applicable
relevant state/territory OH&S legislation
relevant state/territory environmental protection legislation
relevant Australian standards and certification requirements
licence, patent or copyright arrangements
water and road use and licence arrangements
export/import/quarantine/bond requirements
workplace relations regulations including equal opportunity, equal employment opportunity and affirmative action legislation
workers compensation regulations

Unit Sector(s)

Not applicable.

Competency Field

B - Equipment Checking&Maintenance