



Australian Government

TLIW2030 Identify the principles of dynamic track stabiliser operations

Release: 2

TLIW2030 Identify the principles of dynamic track stabiliser operations

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package:

- Minor statement changes in Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to identify the principles of dynamic track stabiliser operations.

It includes determining components and work station of dynamic track stabilisers, identifying dynamic track stabiliser functions, and identifying hazards and risks associated with dynamic track stabiliser operations.

The unit provides an introduction to dynamic track stabilisers and is not to be used for their operation, which must be covered by individual certification for the particular machine.

Components may include:

- chart recorders
- clamps
- lifting and lining systems
- ploughs
- stabiliser unit
- trolleys.

Work stations may include:

- data input
- drive station
- external work station
- main operator station.

Operators of dynamic track stabilisers must have undertaken training and hold the relevant licence, permit or certificate and be recognised as competent for each type of machinery being used.

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

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Determine components and work stations of dynamic track stabilisers

2 Identify dynamic track stabiliser functions

3 Identify hazards and risks associated with dynamic track stabiliser operations

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Dynamic track stabiliser components and individual work stations are identified

1.2 Purpose of the identified components and individual work stations is explained

1.3 Associated hazards of each component and appropriate control methods for each are identified

2.1 Purposes of the dynamic track stabiliser are identified

2.2 Methods by which the dynamic track stabiliser consolidates the ballast to meet network owner's rail industry standards are identified

3.1 Environmental hazards are identified

3.2 Potential risks to the rail infrastructure are identified

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to TLIW2030A Identify the principles of dynamic track stabiliser operations.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIW2030 Identify the principles of dynamic track stabiliser operations

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- anticipating problems, faults and malfunctions, in accordance with regulatory requirements and workplace procedures
- applying relevant workplace procedures
- identifying job hazards and required action to minimise, control or eliminate identified hazards
- working systematically with required attention to detail without injury to self or others, or damage to equipment in accordance with organisational procedures.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- ballast profile rail industry standards
- components and work stations of dynamic track stabilisers
- hazards that may exist when using a dynamic track stabiliser and ways of controlling the risks involved
- problems that may occur when using a dynamic track stabiliser and action that can be taken to resolve and report these problems
- relevant rail safety, work health and safety (WHS)/occupational health and safety (OHS) and environmental procedures and regulations
- track geometry and terminology
- workplace procedures for using dynamic track stabilisers.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training

Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations or, where this is not available, in simulated workplace operational situations that replicate rail corridor workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include assess to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice and operation manuals.

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