TLIL0002 Identify railway fundamentals

Release: 1

TLIL0002 Identify railway fundamentals

Modification History

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 railway fundamentals. This includes the track, trackside equipment, fixed structures, rail vehicles and rolling stock.

This unit is intended for railway network controllers entering the rail industry who will be required to work in a rail workplace.

Work is performed under limited supervision with general guidance on progress and outcomes. It involves discretion and judgement for self in developing plans to meet customer and railway network needs.

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

Pre-requisite Unit

Not applicable.

Competency Field

L – Resource Management

Unit Sector

Rail sector.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 **Identify track and structures terminology and features**	**1.1** Terminology is explained for track, trackside equipment and fixed structures

		1.2	Features of track, including geography, geometry and classes are explained
		1.3	Bridges and other infrastructure categories and their purpose are identified
		1.4	Other principal structure types and their purpose are identified
		1.5	Relevant stakeholders to whom structural faults and anomalies are reported, are identified
2	**Identify electrical components**	2.1	Principal of electrical components and their purpose are identified
		2.2	Methods of isolation, power sources and their purposes are identified in accordance with railway network asset owner and workplace procedures
		2.3	Electrical components ownership is identified for operational maintenance and repair requirements
3	**Identify rail track vehicles and rolling stock**	3.1	Types of trains and rolling stock are identified
		3.2	Types of machines used for track installation and maintenance are identified
		3.3	Types of rail track vehicles are identified
		3.4	Relevant stakeholders to whom rolling stock faults and anomalies are reported, 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 is a new unit. No equivalent unit.

Links

Companion Volume Implementation Guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851