



Australian Government

TLIF0015 Recognise the impact of human capabilities/limitations on human performance in a rail environment

Release: 1

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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 recognise the impact of human capabilities and limitations on human performance in a rail environment.

It includes describing human error and error management and identifying factors that impact on human performance.

This unit involves the skills and knowledge required when applying human factors principles to safety critical roles. This unit is intended for rail workers who are performing safety critical activities as part of their job role and for whom an awareness of human factors can lead to improvements in safety and performance.

For this unit human factors is defined as the scientific discipline that is concerned with the application of information about human characteristics, capacities, and limitations to the design of tasks, equipment and work environments.

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

Pre-requisite Unit

Not applicable.

Competency Field

F – Safety Management

Unit Sector

Rail Sector.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Describe human error and error management

1.1 Differences between errors and violations are identified

1.2 Factors contributing to errors and violations are identified

1.3 Consequences of human error are identified

2 Identify factors that impact on human performance

2.1 Individual capabilities and limitations that impact on human performance are identified

2.2 Factors relating to the organisation and wider system that impact on human performance are identified

2.3 Factors relating to interaction with others that impact on human performance are identified

2.4 Factors relating to how the design and operation of plant, equipment and technology can impact on human performance are identified

2.5 Factors relating to rules and procedures that impact on human performance are identified

2.6 Factors relating to work environment that impact on human performance are identified

3 Apply strategies for managing human error

3.1 Strategies to mitigate errors are identified

3.2 Individual strategies to mitigate human errors are applied

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>