



Australian Government

TLIE3026 Carry out advanced calculations in the transport and logistics industry

Release: 1

TLIE3026 Carry out advanced calculations in the transport and logistics industry

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 carry out advanced calculations in the transport and logistics industry.

It includes identifying required calculations, applying advanced calculation in workplace tasks, preparing estimates, and interpreting graphical representations of mathematical information.

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

Pre-requisite Unit

Not applicable.

Competency Field

E – Communication and Calculation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify required calculations

2 Apply advanced

PERFORMANCE CRITERIA

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

1.1 Nature of calculation required and items involved are determined

1.2 Tools required to perform calculations are identified and sourced

2.1 Calculations involving fractions, percentages and mixed

	calculations in workplace tasks		numbers, using the four basic processes, are performed as required to complete workplace tasks
		2.2	Numerical information is checked and corrected for accuracy
3 Prepare estimates		3.1	Quantities of materials and resources required to complete work task are estimated and calculated accurately, using fractions, percentages and mixed numbers
		3.2	Accurate estimates for work completion are made using fractions, percentages and mixed numbers
		3.3	Working load limits (WLL) and safe working limits (SWL) of workplace equipment are calculated using advanced calculations
4 Interpret graphical representations of mathematical information		4.1	Information represented in symbols, diagrams and pictorial representations is recognised
		4.2	Recognised information represented in symbols, diagrams and pictorial representations is interpreted and acted upon

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.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIE3026A Carry out advanced calculations in the transport logistics industry.

Links

Companion Volume implementation guides are found in VETNet -

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