



Australian Government

TLIE0008 Calculate mass, area and quantify dimensions

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 calculate mass, area and quantify dimensions.

It includes calculating loads to be transported or placed in storage, calculating load limits of transport and/or storage systems, and organising the loading in accordance with relevant legislation and workplace requirements.

Work is performed under some supervision generally within a team environment.

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 describe the essential outcomes.

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

1 Calculate loads for transport or storage

1.1 Order forms and work orders are read, and requirements are noted

1.2 Shape, balance characteristics, dimensions and mass of load/s are identified

1.3 Weights and volumes are totalled to calculate load

requirements of transport or storage system

2 Calculate load limits of transport and/or storage

- 2.1** Allowable load limits for storage and/or transport systems are identified in accordance with legislative requirements and workplace procedures
- 2.2** Capacity of transport and storage systems in terms of mass, area and volume is calculated

3 Organise loads

- 3.1** Loads are restricted to allowable range
- 3.2** Loads are spread to ensure safe weighting on pallets, trucks, platforms or other storage or transport systems
- 3.3** Appropriate workplace documentation is completed

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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIE3002 Estimate/calculate mass, area and quantify dimensions.

Links

Companion Volume Implementation Guides are found in VETNet -

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