

**Specification of Competency Standards**  
**for the Logistics Industry**  
**Unit of Competency**

Functional Area - Cargo Transport and Handling

Title	Estimate/calculate weight and volume
Code	LOSACT301B
Range	This unit of competency is applicable to logistics service providers. Practitioners should be capable of estimating/calculating cargoes weight and volume according to relevant regulatory and load requirements for transport vehicles or storage systems.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess the knowledge of estimate and calculate cargo weight and volume</p> <ul style="list-style-type: none"> <li>• Understand business operations in the logistics related industries</li> <li>• Understand company policy and procedures</li> <li>• Know about basic estimation and calculation principles</li> </ul> <p>2. Estimate cargoes for transport and/or storage</p> <ul style="list-style-type: none"> <li>• Note requirements from work order forms and relevant documents</li> <li>• Identify shape, balance characteristics, dimensions and mass of the cargoes</li> <li>• Estimate the equipment to minimise the cost of freight and maximize the utilisation of equipment</li> <li>• Estimate required storage area/volume and equipment</li> <li>• Aggregate weights and volumes to calculate load requirements for transport or evaluate the load limit of storage systems</li> </ul> <p>3. Estimate load limits</p> <ul style="list-style-type: none"> <li>• Identify allowable load limits for storage systems or transport vehicles</li> <li>• Calculate capacity of transport vehicles and storage systems</li> <li>• Prepare for contingency plan and solution for accidents</li> </ul> <p>4. Organise load</p> <ul style="list-style-type: none"> <li>• Restrict loads to allowable ranges</li> <li>• Spread cargoes evenly to ensure safe weighting on pallets, trucks, or other storage/transport systems</li> <li>• Complete and record appropriate workplace documentation</li> <li>• Record events with audio/video equipment</li> <li>• Prepare case study and demonstration for future usage</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Capable of estimating cargoes for transport/storage;</li> <li>• Capable of estimating load limits for transport/storage;</li> <li>• Capable of arranging events recording with audio/video equipment; and</li> <li>• Capable of organising and completing workplace documentation for future usage</li> </ul>
Remark	