



Australian Government

**Assessment Requirements for TLIE3016
Estimate/calculate load shifting
requirements for a mobile crane**

Release: 2

Assessment Requirements for TLIE3016 Estimate/calculate load shifting requirements for a mobile crane

Modification History

Release 2. This is the second release of this unit of competency in the TLI Transport and Logistics Training Package.

- Minor changes to unit Application
- Minor changes to Performance Criteria
- Minor update to Performance Evidence
- Minor update to Knowledge Evidence
- Minor changes to Assessment Conditions.

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and include:

- applying mathematical procedures to estimate load shifting requirements, including:
 - addition
 - division
 - multiplication
 - percentages and fractions
 - subtraction
- applying relevant workplace procedures
- calculating safe working load (SWL)/working load limits (WLL)
- completing relevant documentation
- identifying and correctly using equipment, processes and procedures
- interpreting and following operational instructions and prioritising work
- interpreting permit or licence requirements in terms of height, weight and type of lift
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with workplace operating procedures
- reading and interpreting mathematical scales, digital readouts, specifications and customer or workplace instructions.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and include knowledge of:

- calculations for SWL/WLL
- hazard management that follows the principle of hierarchy of control
- high-risk work licence requirements
- metric and, as required, imperial measurement systems
- mobile crane applications, capacities, configurations, safety hazards and limitations
- problems that may occur during a lift and associated actions that can be taken to address these problems
- relevant regulations, permit and licence requirements for mobile crane operations
- risks and hazards involved in mobile crane operations and associated actions that can be taken to eliminate or minimise the risk
- workplace procedures concerning estimating and calculating mobile crane load shifting requirements.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry
- applicable documentation, including legislation, regulations, codes of practice, workplace procedures and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

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