



Australian Government

Assessment Requirements for TLIK0004 Apply knowledge of automated workplace fundamentals

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.

Performance Evidence

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

- applying relevant information, legislation, regulation, documentation, policies and workplace procedures
- demonstrating, on at least three separate occasions, the following:
 - application of the terminology used
 - accessing and interpreting data including:
 - analysing
 - collecting
 - displaying
 - prioritising
 - security
 - storing
 - clear and timely communication of data
- demonstrating communicating data within the relevant organisational network
- demonstrating language, literacy numeracy (LLN) skills consistent with the ability to receive and present information in a complex automated workplace
- demonstrating skills employed in analysing, collecting and applying data including:
 - critical thinking
 - data analysis
 - decision making
 - digital literacy
 - predictive analytics
 - problem solving and diagnostics
- working effectively in an automated environment by:
 - applying the terminology used within the automated system
 - applying work health and safety (WHS)/occupational health and safety (OHS) and workplace requirements
 - complying with policies, workplace procedures, legislation and regulations
 - demonstrating clear, precise and prompt communication

- demonstrating safe interaction with autonomous equipment
- describing the features of the automated system including:
 - historical perspective
 - benefits and future opportunities
 - systems and their integration and interdependency
 - policies, workplace procedures, legislation and regulations.

Knowledge Evidence

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

- current automated workplaces including:
 - challenges of technology evolution
 - common terminology
 - computer systems including hardware and software requirements
 - historical perspective
 - safety improvements provided by automation
 - trends and future of automation
- data handling including:
 - algorithms and equations
 - graphical representations – display and interpretation
 - identifying and understanding anomalies and breaks in trends
 - simulation techniques
 - volumes, variety and velocity (rate of change or growth in data)
- data in a complex automated workplace including:
 - common terminology
 - data types
 - emerging developments including:
 - artificial intelligence
 - big data
 - data analytics
 - hybrid systems
 - identifying data types and sources, including:
 - existing, readily available, and difficult to collect and verify
 - integrated systems
 - numeric and text
 - organisational, industry-wide, national and universal
 - sensor-generated

- function of sensors, devices and systems in providing data
- organisational requirements in relation to data and its impact on:
 - business reputation
 - maintenance and storage of data
- safety management system.

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>