



Australian Government

TLIH2001 Interpret road maps and navigate pre-determined routes

Release: 1

TLIH2001 Interpret road maps and navigate pre-determined routes

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 interpret road maps and to navigate routes as part of transport operations.

It includes identifying and determining the most appropriate route, and completing required route documentation in accordance with operational requirements.

Work is performed under general or limited supervision. It involves the application of map reading principles and procedures when interpreting street directories and road maps, and following pre-determined routes.

Work must be carried out in accordance with relevant state/territory roads and traffic authority regulations.

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

Pre-requisite Unit

Not applicable.

Competency Field

H – Route Planning and Navigation

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify and

PERFORMANCE CRITERIA

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

1.1 Pre-determined route documentation is accessed and

determine pre-planned route		interpreted
	1.2	Relevant street directory, global positioning system (GPS) and road maps are identified and accessed
	1.3	Street directory, GPS and road map symbols are recognised and interpreted
	1.4	Points of departure and destination are identified in a directory index and information is used to locate designated places on appropriate map
	1.5	Pre-determined route directions are interpreted and route is traced using a street directory, GPS and road map
	1.6	Key intersections and other landmarks along route are identified for use in following planned route
	1.7	Alternative contingency routes are identified for emergencies or traffic delays
	1.8	Pre-determined route is correctly followed
2 Complete necessary documentation	2.1	Required route documentation is completed in accordance with purpose of transportation and workplace requirements
	2.2	Required route documentation is filed in accordance with workplace requirements

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 TLIH2001A Interpret road maps and navigate pre-determined routes.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for TLIH2001 Interpret road maps and navigate pre-determined routes

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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 legislation and workplace procedures
- completing documentation related to route navigation
- estimating route distances using map information
- interpreting and following operational instructions and prioritising work
- navigating a pre-determined route
- operating and adapting to differences in equipment in accordance with standard operating procedures
- operating electronic communications equipment in accordance with workplace protocols
- planning alternative contingency routes for road works, emergencies or delays
- planning own work, predicting consequences and identifying improvements
- plotting a route from one destination to another relevant to job role
- reading and interpreting relevant instructions, procedures, information and signs
- using global positioning system (GPS) devices to navigate pre-determined routes as required
- using maps and other route documentation to correctly identify and interpret:
 - map symbols
 - roads and intersections
 - town and suburb locations
- working collaboratively with others as required (such as fleet managers, sales team)
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

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 information about accidents or emergencies that might close or restrict traffic on a particular route
- height, width and mass limitations of bridges, tunnels and other critical physical structures along a possible route
- location of service stations/rest stops as required
- operational procedures for interpreting road maps, using GPS devices and navigating routes
- relevant state/territory permit and licence regulations and requirements
- road conditions for various routes, including sections undergoing road works
- security hazards and issues
- traffic conditions at various times of the day/night along specific routes
- typical problems that may arise concerning interpreting road maps, using GPS devices and navigating pre-determined routes, and appropriate action that should be taken
- workplace requirements for recording and documenting route information.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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 include:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry:
 - GPS
 - road map
 - street directory.

A simulator/online assessment is not suitable for the final assessment of this unit of competency.

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