



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **TLIH107D Interpret road maps and navigate pre-determined routes**

**Release: 1**

## **TLIH107D Interpret road maps and navigate pre-determined routes**

### **Modification History**

Not applicable.

### **Unit Descriptor**

This unit involves the skills and knowledge required to interpret road maps and navigate routes as part of transport operations including identifying and determining the most appropriate route, and completing required route documentation in accordance with operational requirements.

### **Application of the Unit**

Work must be carried out in compliance with the regulations of the relevant state/territory roads and traffic authorities.

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

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

The required outcomes described in this unit of competency contain applicable facets of Employability Skills. The Employability Skills Summary of the qualification in which this competency is packaged will assist in identifying employability skill requirements.

### **Elements and Performance Criteria Pre-Content**

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

# Elements and Performance Criteria

## Elements and Performance Criteria

<b>Element</b>	<b>Performance Criteria</b>
<b>1 Identify and determine the pre-planned route</b>	<ul style="list-style-type: none"><li>1.1 Documentation on the pre-determined route is accessed and interpreted</li><li>1.2 Relevant street directory and/or road maps are identified and accessed</li><li>1.3 Street directory and road map symbols are recognised and interpreted</li><li>1.4 Points of departure and destination are identified in a directory index and the information used to locate designated places on the appropriate map</li><li>1.5 Directions for a pre-determined route are interpreted and the route traced using a street directory and road map</li><li>1.6 Key intersections and other landmarks along the route are identified for use in following the planned route</li><li>1.7 Alternative routes are identified for possible contingency situations such as emergencies or traffic delays</li><li>1.8 Pre-determined route is correctly followed</li></ul>
<b>2 Complete necessary documentation</b>	<ul style="list-style-type: none"><li>2.1 Required route documentation is completed in accordance with purpose of transportation and with workplace requirements</li></ul>

## **Required Skills and Knowledge**

### **REQUIRED KNOWLEDGE AND SKILLS**

This describes the essential knowledge and skills and their level required for this unit.

#### **Required knowledge:**

Relevant state and territory permit and licence regulations and requirements

Operational procedures for interpreting road maps, using GPS devices and navigating routes

Road conditions for various routes, including sections undergoing road works

Height, width and mass limitations of bridges, tunnels and other critical physical structures along a possible route

Traffic conditions at various times of the day along specific routes

Security hazards and issues (where relevant)

Current information on accidents or emergencies that might close or restrict traffic on a particular route

Location of service stations/rest stops where relevant

Typical problems that may arise concerning the interpretation of road maps, the use of GPS devices and the navigation of predetermined routes and appropriate action that should be taken

Workplace requirements for recording and documenting route information

#### **Required skills:**

Communicate effectively with others when interpreting road maps, using GPS devices and navigating predetermined routes

Read and interpret instructions, procedures, information and signs relevant to route navigation

Identify and correctly use maps and other route documentation, including: identification of town and suburb locations; identification of roads and intersections; reading and interpretation of map symbols; and estimation of route distances using map information

Where applicable, use GPS devices to navigate predetermined routes

Interpret and follow operational instructions and prioritise work

Complete documentation related to route navigation

Operate electronic communication equipment to required protocol

Where applicable work collaboratively with others (such as fleet managers, sales team etc.) when interpreting road maps, using GPS devices and navigating predetermined routes

Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others

Promptly report and/or rectify any identified problems that may arise when interpreting road maps, using GPS devices and navigating predetermined routes in accordance with workplace procedures

Plan for alternative routes in the event of contingencies such as road works, emergencies or delays

Plan own work including predicting consequences and identifying improvements

Monitor work activities in terms of planned schedule

Modify activities depending on differing operational contingencies, risk situations and environments

Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

Operate and adapt to differences in equipment in accordance with standard operating procedures

## **Evidence Guide**

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills, the range statement and the assessment guidelines for this Training Package.

**Critical aspects for assessment and evidence required to demonstrate competency in this unit**

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria of this unit and include demonstration of applying:

- the underpinning knowledge and skills
- relevant legislation and workplace procedures
- other relevant aspects of the range statement

**Context of and specific resources for assessment**

Performance is demonstrated consistently over a period of time and in a suitable range of contexts

Resources for assessment include:

- a range of relevant exercises, case studies and other simulated practical and knowledge assessment, and/or

- access to an appropriate range of relevant operational situations in the workplace

In both real and simulated environments, access is required to:

- relevant and appropriate materials and/or equipment, and/or

- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals

**Method of assessment**

Assessment of this unit must be undertaken by a registered training organisation

As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests

Practical assessment must occur:

- through appropriately simulated activities at the registered training organisation, and/or

- in an appropriate range of situations in the workplace



## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

This unit covers:	work of transport and distribution personnel involved in the delivery of a range of possible goods and materials including valuables, secured products and documents and materials
Operations may be conducted:	in a range of work environments and weather conditions by day or night
Customers may be:	internal or external
Routes will be pre-determined but may include:	alternative routes to accommodate contingency situations
Map areas may include:	metropolitan areas country and regional areas interstate locations
Depending on the type of transport service being provided, consultative processes may involve:	clients other employees and supervisors management other professional or technical staff private security personnel public sector security personnel police and other emergency services security consultants
Communication in the work area may include:	mobile and fixed phones radio oral, aural or signed communications
Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:	company procedures enterprise procedures organisational procedures



	established procedures
Information/documents may include:	workplace procedures and policies
	route specifications
	maps and street directories
	published information on route hazards such as height, width and mass limitations of bridges, tunnels and other critical physical structures along a possible route
	competency standards and training materials
	supplier and/or client route documentation
	quality assurance procedures
	emergency procedures
Applicable regulations and legislation may include:	relevant state/territory road rules and traffic acts
	regulations and codes related to the transport of dangerous goods, explosives and hazardous materials

## Unit Sector(s)

Not applicable.

## Competency Field

H - Route Planning and Navigation