



**Australian Government**

# **TLIC2078A Identify and respond to signals and trackside signs**

**Release 1**

# **TLIC2078A Identify and respond to signals and trackside signs**

## **Modification History**

Release 1 - New unit of competency

## **Unit Descriptor**

This unit involves the skills and knowledge required to identify, interpret and respond to fixed signals and trackside signs in accordance with network owner and/or organisational policies and procedures.

Licensing or certification requirements are not applicable to this unit

## **Application of the Unit**

This unit is suitable for people who are required to identify and respond to trackside signals and signs as part of their job role. They may be working within a rail operational or infrastructure environment.

## **Licensing/Regulatory Information**

Not applicable.

## **Pre-Requisites**

Not applicable.

## **Employability Skills Information**

This unit contains employability skills.

## **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

### **1 Identify and respond to running signals and indicators**

- 1.1 Types and functions of running signal and indicators are identified in accordance with network owner procedures
- 1.2 Indications and aspects displayed by running signals and indicators are identified and interpreted
- 1.3 Hand signals and/or track warning signals are interpreted and followed, in accordance with safeworking systems, network owner requirements and organisational procedures
- 1.4 Rail traffic speed and movement is controlled appropriate to the indication displayed by the running signal or indicator
- 1.5 Illegal or irregular indications or aspects displayed by running signals or indicators are identified and appropriate action is taken

### **2 Identify and respond to shunting signals and subsidiary signals**

- 2.1 Types and functions of shunting signals and subsidiary signals are identified in accordance with network owner procedures
- 2.2 Indications displayed by shunting signals and subsidiary signals are identified and interpreted
- 2.3 Rail traffic speed and movement is controlled appropriate to the indication displayed by the shunting signal
- 2.4 Illegal or irregular indications displayed by shunting signals are identified and appropriate action is taken

### **3 Interpret and respond to trackside signs**

- 3.1 Permanent trackside signs are interpreted and followed, in accordance with safeworking systems, network owner requirements and organisational procedures
- 3.2 Temporary trackside signs are interpreted and followed, in accordance with safeworking systems, network owner requirements and organisational procedures

### **4 Respond to and report defective or irregular signals or trackside signs**

- 4.1 Defective or irregular signals and trackside signs are responded to in accordance with safeworking systems, network owner requirements and organisational procedures
- 4.2 Defective or irregular signals and trackside signs are reported and recorded in accordance with safeworking systems, network owner requirements and organisational procedures

## Required Skills and Knowledge

This section describes the knowledge and skills required for this unit.

### Required knowledge:

- Applicable legislation, regulations and codes such as: relevant network owner and/or organisational policies and procedures, relevant Australian Standards and related requirements, relevant state/territory environmental legislation
- Procedures to be followed in emergencies
- Relevant sections of legislated rail safety requirements including acts and regulations from each applicable state and territory together with any nationally approved compliance codes and/or guidelines
- Signalling system for each network
- Use of communications equipment

### Required skills:

- Communicate effectively with others
- Complete required documentation
- Interpret and follow operational instructions and prioritise work
- Modify activities depending on differing operational contingencies, risk situations and environments
- Operate and adapt to differences in equipment in accordance with standard operating procedures
- Read and interpret instructions, procedures and information (including numerical information) relevant to vehicle operations
- Work collaboratively with others when identifying and responding to signals and trackside signs
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment

## 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 required knowledge and skills
  - relevant legislation and organisational procedures
  - other relevant aspects of the range statement
- Assessment must include exercises which demonstrate competent performance of the following in a range of situations:
  - identifying types of fixed signals used in rail networks
  - identifying the different indications and aspects displayed by fixed signals in the rail networks
  - identifying types of trackside signs in the rail networks
  - responding to different indications and aspects displayed by fixed signals in the rail networks
  - responding to different trackside signs in the rail networks
  - correct workplace requirements for responding to illegal or irregular indications displayed by running signals or shunting signals

### **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/or other simulated practical and knowledge assessment, and/or
  - access to an appropriate range of relevant operational situations in the organisational
- In both real and simulated environments, access is required to:
  - relevant and appropriate materials and equipment, and
  - applicable documentation including organisational procedures, regulations, codes of practice and operation manuals

### **Method of assessment**

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

- through activities in an appropriately simulated environment, and/or
- in an appropriate range of situations in the workplace

## 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.

- Running signals may include:
- single colour light
  - double colour light
  - semaphore
  - indicators
  - position light repeaters
  - colour light repeaters
  - banner repeaters
  - turnout repeaters
  - co acting
  - starting
  - home starting
  - distant
  - outer home
  - home
  - automatic
  - controlled
  - turnout units
- Indicators may include:
- route indicators
  - colour light point indicators
  - colour light catch point indicators
  - mechanical light point indicators
  - mechanical catch point indicators
  - U indicators
- Indications and aspects may include:
- clear
  - caution
  - medium caution
  - low speed
  - close up
  - stop
- Shunting signals may include:
- colour light shunting signals
  - semaphore shunting signals
  - intermediate shunting signals
  - banner shunting signals
  - shunt repeater
  - wrong road signals
- Subsidiary signals may include:
- calling on signals
  - shunt ahead signals
  - dead end signals

Permanent trackside signs may include:

- shunt repeater
- permanent speed signs
- yard limit signs
- landmarks
- shunting limit signs
- stop signs
- catch point
- derail signal
- rolling stock prohibition signs
- whistle signs/boards
- no whistle signs
- clearance markers
- signal designation signs
- instruction signs
- level crossing signs

Temporary signs may include:

- caution speed signs
- warning speed signs
- clearance signs
- worksite warning signs

## **Unit Sector(s)**

Not applicable.

## **Competency Field**

C – Vehicle Operation