



**Australian Government**

# **TLIS3023 Erect and mount structures and housings for signalling equipment**

**Release: 1**

# **TLIS3023 Erect and mount structures and housings for signalling equipment**

## **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 erect and mount structures and housings for signalling equipment in accordance with safeworking and regulatory requirements, and workplace procedures.

It includes installing the foundations, assembling the components, and installing and mounting the structures and housings in accordance with specifications.

People achieving competence in this unit will need to fulfil the applicable state/territory legislated rail safety requirements and to comply with relevant codes of practice and/or guidelines.

Work is performed under minimal supervision, generally within a team environment. It involves the application of routine operational principles and procedures when carrying out general site maintenance, as part of workplace activities across a variety of operational contexts within the Australian rail system.

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

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

S – Construction and Installation

## **Unit Sector**

Not applicable.

## **Elements and Performance Criteria**

Elements describe the      Performance criteria describe the performance needed to

essential outcomes.

demonstrate achievement of the element.

### **1 Install foundations**

- 1.1 Hazards are identified, risks are assessed and control measures are implemented
- 1.2 Worksite is inspected and appropriate arrangements are made for safe access for heavy plant and equipment
- 1.3 Foundations are poured/laid in the correct location, size and quality requirements in accordance with the work orders and job specifications
- 1.4 Authorisation is confirmed as required to ensure safe train operations may continue

### **2 Assemble components**

- 2.1 Components are correctly identified, prepared and laid out for assembly in accordance with work orders/assembly specifications
- 2.2 Components are pre-assembled in the correct sequence and checked to ensure safe and efficient installation can commence

### **3 Install and mount structures and housings**

- 3.1 Structures are positioned on foundations and checked for compliance to job specifications in preparation for securing
- 3.2 Structures are secured and checked for compliance with safety requirements and job specifications
- 3.3 Housings and other equipment/components are correctly positioned, installed and secured to comply with work orders and job specification requirements
- 3.4 Housings and other equipment/components are secured to ensure correct orientation to track and to prevent unauthorised access
- 3.5 Structures and housings are positioned to ensure they are clear of all other structures, obstructions and interference, including minimum structure gauge
- 3.6 Equipment is locked and secured to maintain site safety and security

## 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 TLIS3023A Erect and mount structures and housings for signalling equipment.

## Links

Companion Volume implementation guides are found in VETNet -

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