



**Australian Government**

# **Assessment Requirements for TLIS2027 Install and maintain surface track drainage**

**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 workplace procedures
- cleaning, repairing or installing drainage to relevant rail industry standard by manual and mechanical methods in accordance with workplace procedures
- following operational instructions and work sequences
- identifying job hazards and taking required action to minimise, control or eliminate identified hazards
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- reading and interpreting relevant plans
- reporting and/or rectifying identified problems, faults or malfunctions, in accordance with workplace procedures
- selecting and using relevant equipment and tools
- working systematically with required attention to detail without injury to self or others, or damage to 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:

- causes of defects such as erosion and water scouring
- drainage requirements of various types of earthworks
- environmental protection requirements
- functions and design principles of drainage
- hazards that may exist when installing and maintaining surface track drainage, and ways of controlling the risks involved

- hydrology and hydraulics rail industry standard
- problems that may occur when installing and maintaining surface track drainage, and action that can be taken to report or resolve these problems
- relevant recording and documentation procedures
- relevant safety, work health and safety (WHS)/occupational health and safety (OHS), and environmental procedures and regulations
- required rail industry standards for materials and the methods involved in installing and maintaining surface track drainage
- workplace procedures for installing and maintaining surface track drainage.

## 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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Practical assessment must occur in appropriate range of situations in the rail corridor workplace.

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
- relevant and appropriate materials, tools, equipment and personal protective equipment currently used in industry
- applicable documentation including workplace procedures, regulations, rail industry standards, codes of practice 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>