

# UGL REGIONAL LINX



## WORKSITE DEMARCATION FENCES

CRN-MPN-AMS-713026361-1212

CRN CP 512

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## Document Control

Function	Position	Name	Date
<b>Approver</b>	A&E Manager	Lucio Favotto	24/12/2021

Revision	Issue Date	Revision Description
<b>1.1</b>	13/12/2021	UGLRL Operational Standards Template applied
<b>2.0</b>	24/12/2021	First approved and issued UGLRL version

## Summary of changes made from previous version

Section	Summary of change
<b>All</b>	This document is based on the previous rail infrastructure maintainer (RIM). Full revision history is available on request from UGLRL.

## 1 Scope and Application

This specification details the design and installation requirements for demarcation fences for use on Country Regional Network (CRN) infrastructure.

Demarcation fences are provided to delineate the boundary of work areas. Demarcation fences provide a barrier in situations including:

- delineation of dead and live roads in multiple track situations
- delineation of live tracks and off track worksites
- delineation of worksite and rail corridor/ public area.

Demarcation fences do not replace the requirements for worksite protection in accordance with the Network Rules.

## 2 References

### 2.1 Australian and International Standards

AS 4687 - Temporary fencing and hoardings

Unless otherwise specified, all references relate to the latest standard versions, including amendments and relevant superseding standards

### 2.2 CRN documents

CRN CS 215 – Transit Space

### 2.3 Other documents

WorkCover Code of Practice - Excavation

### 2.4 Drawings

CV 0169976 - Inner West Closedown Demarcation Fencing

## 3 Acceptance Standards

All materials and components shall comply with the requirements of the relevant specified Australian Standard, or of the technical specification in this Standard.

Test certificates shall be provided where necessary to demonstrate compliance with performance requirements.

## 4 Demarcation Fence

### 4.1 Introduction

The demarcation fence shall be one of the following approved configurations:

- Star pickets and tape
- Safety fence
- Temporary fencing.

### 4.2 Star pickets and tape

Star pickets and tape details are:

Item	Specification
<b>Star Steel Fence Posts</b>	
spacing	10 metre centres
post caps	each post
<b>Tape</b>	
number of strands	minimum 2, preferably 3
spacing of strands	evenly spaced on posts
colour	orange or checked blue and white <b>Note:</b> The tape shall not be safeworking colours of red or green

### 4.3 Safety fence

A safety fence shall be one of the following configurations:

- The design as shown on Drawing Number CV 0169976 “Inner West Closedown Demarcation Fencing”.
- Proprietary product as detailed in Section 5 “Approved Products”.

### 4.4 Temporary fencing

Temporary fencing is a self-supporting and modular system, which is interlocking and portable. It shall be in accordance with AS 4687 “Temporary fencing and hoardings”.

### 4.5 Installation

#### 4.5.1 General

Excavations for fence installations shall be in accordance with and the WorkCover Code of Practice “Excavation”.

Installations shall comply with the clearance requirements of CRN Engineering Standard CRN CS 215 “Transit Space”.

#### **Warning Note**

The fencing may comply with transit space but the space above the fence may not comply as the kinematic requirement increases as the height above rail increases.

#### 4.5.2 Star pickets and tape

The star pickets shall be installed so as to remain in position for the duration of the possession/closedown.

#### 4.5.3 Safety fence

Metal posts for the safety fence as per Drawing No. CV 0169976 shall not be installed less than 2 metres from any adjacent metal structure such as cable troughing. The fence post shall have no attachment other than the non-conductive fence rail or tape.

For proprietary products, installations shall be in accordance with the applicable supplier’s instruction manuals.

#### 4.5.4 Temporary fencing

Installations shall comply with the requirements in AS 4687.

## 5 Approved Products

Product approvals are dependent on both the manufacturer and supplier. If either changes, the product approval may no longer be valid. Seek advice from the Principal Track and Civil Engineer.



Product Approval Numbers are shown for all products approved by UGLRL CRN. Other products listed were approved for use on CRN prior to January 2012 and have been accepted by UGLRL CRN.

Product Approval No.	Description	Standard/ Drawing	Manufacturer / Supplier
	Vortok safety fence	N/A	Vortok / Pandrol