1 Introduction

1.1 Purpose

The main purpose of this Standard is to provide a framework that describes the requirements for the design, construction, commissioning, monitoring, maintenance and decommissioning of signalling equipment enclosures and wiring in Australian railway corridors.

The Standard is intended to outline requirements that govern signalling equipment enclosures and their wiring on a whole-of-life approach.

The Standard covers a set of requirements to manage the identified industry hazards by identifying risks associated with the signalling equipment enclosures and wiring. This standard only applies if enclosures are assessed as the only practical option for equipment protection at the particular site.

1.2 Scope

Where a signalling enclosure is selected as the preferred enclosure for a location, this Standard provides design requirements for types of free standing enclosures and their wiring for rail signalling equipment. The Standard covers –

(a) materials and configuration for signalling equipment enclosure,

(b) siting the enclosure,

(c) principles for locating equipment therein, and

(d) processes for installation of equipment and wiring.

This Standard is intended to be used by RIMs, Operators and Suppliers of signalling equipment enclosures.

The Standard is intended to be applied for new installations and upgrades.

This Standard applies to all railways in Australia.

This Standard specifies the accepted criteria that should be employed when designing, procuring or installing signalling equipment enclosures and their wiring on the Australian Railway Network.

The Standard does not apply to the following:

(a) Signalling wayside (trackside) termination boxes, and

(b) Buildings or huts of brick construction, pre-cast concrete construction and pre-fabricated panel construction.

1.3 Compliance

There are two types of control contained within Australian Standards developed by RISSB:

(a) Mandatory requirements.

(b) Recommended requirements.

Each of these types of control address hazards that are deemed to require controls based on existing Australian and international Codes of Practice and Standards.

A mandatory requirement is a requirement that the Standard provides as the only way of treating the hazard.

Mandatory requirements are identified within the text by the term ‘shall’.