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Date:	03 September 2011
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Level 3

Specification for the Maintenance of Cable Distribution Frames and Location Cases

Endorsement and Authorisation

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Issue record

Issue	Date	Comments
1	June 2006	First Issue
2	March 2009	Renumbered, was NR/WI/TEL/30077. Section 2, Scope amended to reflect the addition of FTN Trackside Equipment Housings. Appendix B retitled to indicate that TEHs are now included and requirements augmented as necessary.
3	Sept 2011	Updated with RCM analysis changes.

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 03/09/2011.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 3 (Option Selection) to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 3 was completed and not to comply with requirements contained herein, unless stipulated otherwise in the scope of this Standard.

Reference documentation

GK/RT0105	Transmission of Safety Related Information
NR/WI/TEL/00113	Wiring of Copper Telecoms Terminations
NR/SP/TEL/31001	Telecommunications Maintenance Testing & Failure Investigation
NR/L2/TEL/31002	Maintenance of Telecommunications Equipment.
SP/FTN(D&D)/013	FTN Specification for Lineside Cabinets without Climate Control

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1 Purpose

This telecoms maintenance instruction defines the maintenance and inspection requirements for telecommunications cable distribution frames, distribution cases and location cases used for housing either active telecoms equipment or cable terminations in use on Network Rail infrastructure.

The purpose of maintaining these assets in good order is to promote their longevity, decrease the incidence of failures through deterioration and to identify potential failures before they become service affecting.

2 Scope

This instruction applies to all persons engaged in the maintenance and inspection of Network Rail telecommunication cable distribution frames, distribution cases and location cases including those provided under the FTN scheme. It is the intention of Network Rail that, where practicable, deficiencies of a minor nature should be rectified during inspection.

3 Definitions (in addition to those defined in NR/L2/TEL/31002).

FTN

Fixed Telecomms Network

IDF

Intermediate Distribution Frame

MDF

Main Distribution Frame

TEH

Trackside Equipment Housing (FTN)

Type A Services

Non-diverse signalling systems, the function of which can be adversely affected by earth faults on the cable, with the following exceptions.

- Any cable that carries circuits that are tested by signalling at the same or greater frequency (eg FDM (reed) circuits, signalling supplies)
- Where an earth monitoring unit is installed

Examples of circuits to be considered include, but are not limited to: All forms of block signalling which transit telecoms copper cables.

Type B Services

All other uses