

Ref	NR/SP/SIG/I 7005
Issue	I
Date	August 1999

SSI - Specification for Long line Links Telecommunications Requirements (formerly RT/E/S/I7005)

This temporary front sheet facilitates change to the new Network Rail Standards referencing nomenclature.

The Ref above will be formally allocated to this standard when it is next changed in the meantime the contents, date and issue number of this Network Rail Standard are **UNCHANGED and with immediate effect it should be referred to as “(new ref) formerly (old ref)”.**

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Published & Issued by: Network Rail; 40 Melton Street, London NW1 2EE



RAILTRACK LINE

SPECIFICATION

SSI LONG LINE LINK TELECOMMUNICATIONS

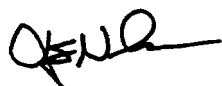
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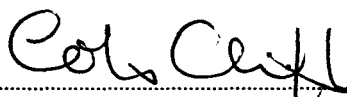
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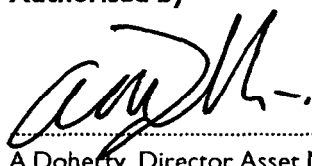
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Published & Issued by
Railtrack plc
Railtrack House
Euston Square
LONDON
NW1 2EE

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Summary

This specification states Railtrack's functional requirements for telecommunications systems for use with Solid State Interlocking Long Line Link incorporating Long Distance Terminal Modules.

Issue record

This specification will be updated when necessary by distribution of a complete replacement. Amended or additional parts of revised pages will be marked by a vertical black line in the margin.

Issue: 1 **Date:** Aug 1999 **Comments:** Supersedes TD TRA105

Responsibilities and distribution

This specification shall be complied with by all personnel who are involved in the design or procurement of Long Line Link telecommunications circuits for signalling schemes employing Solid State Interlocking (SSI) equipment.

Implementation

The provisions of this specification are mandatory and apply to all new SSI schemes where LLL is employed when design is started after 1st October 1999. No retrospective action is required.

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Supply

Persons requiring controlled copies of this specification shall obtain them from their Directorate's Document Control Point.

**SSI LONG LINE LINK
TELECOMMUNICATIONS**

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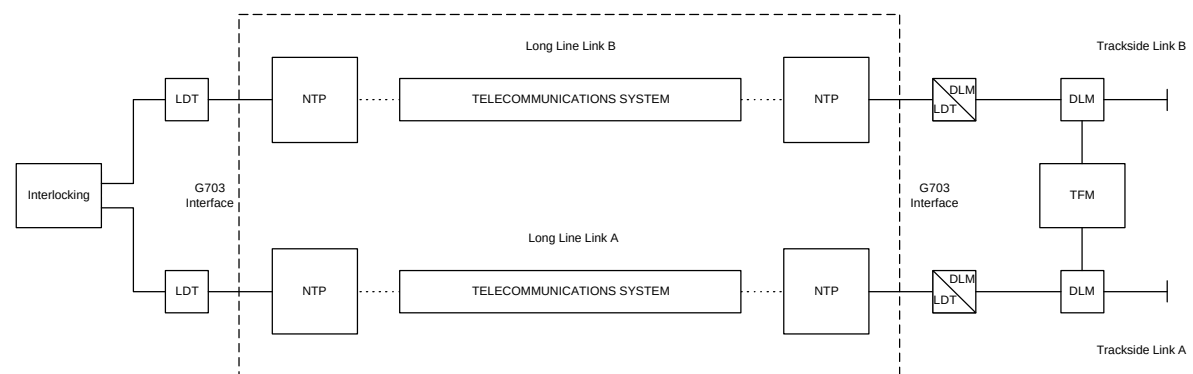
SSI LONG LINE LINK TELECOMMUNICATIONS

1. PURPOSE

This document is for use by contractors responding to procurement contracts for the design and supply of telecommunications circuits for schemes employing Solid State Interlocking (SSI) Long Line Link (LLL) equipment.

2. SCOPE

This specification states the technical and safety requirements for SSI LLL telecommunications equipment. The boundary of equipment within this scope is as shown within the dashed line in the diagram below.



3. ABBREVIATIONS AND DEFINITIONS

3.1 Abbreviations

SSI	Solid State Interlocking
LLL	Long Line Link
LDT	Long Distance Terminal
TFM	Trackside Functional Module
CCI	Control Centre Identity
DLM	Data Link Module
ITU	International Telecommunications Union (ITU-T is the Telecommunications standardisation sector of ITU).
NTP	Network Termination Point

3.2 Definitions

Data Link Module

A Data Link Module is a SSI component which provides signal conditioning and matching between an interlocking and a Trackside Data Link and between Trackside Functional Modules and a Trackside Data Link. It may also be used between Long Distance Terminals and a Trackside Data Link. Pairs of Data Link Modules may be used in a back to back