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Issue	I
Date	August 2004

Risk Analysis of Signalling Relays (formerly RT/E/C/I7904)

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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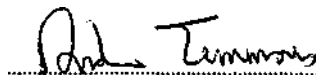
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Company Code of Practice

Risk Analysis of Signalling Relays

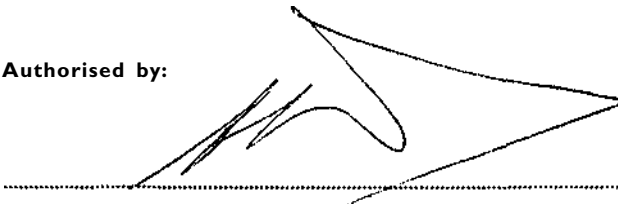
Endorsement & Authorisation

Endorsed by:



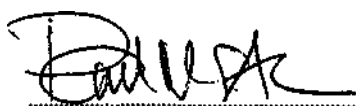
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Issue record

Issue	Date	Comments
01	August 2004	New Standard – Contents migrated from RT/E/C/10048 Issue 1

Implementation

This Code of Practice defines a process to assess the risks presented by failure of specific applications of signalling control relays. It represents current best practice for mitigating risk and is for implementation upon receipt. Alternative practices may be accepted while they can be demonstrated to be as good, or better, than the contents of this document.

Superseded document reference number	Issue	Date
None		

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1 Purpose

This Code of Practice defines a process to assess the risks presented by failure of specific applications of signalling control relays. By applying the process it is possible to determine which relays (if any) may be exempt from routine replacement for a specific interlocking design.

2 Scope

The requirements of this Code of Practice apply to electro-mechanical relays that form part of the infrastructure based railway signalling control system, and which are used in safety-critical or safety-related applications.

Risk assessment results for specific interlocking types are recorded in Codes of Practice. Further risk assessment results may be issued as Codes of Practice upon demonstration of requirement and robust assessment.

3 Reference documentation

GK/RT0210	Asset Management for the Safety of Signalling & Operational Telecommunication Systems & Equipment
RT/E/S/11129	Life Management of Signalling Relays, Searchlight and Banner Signal Mechanisms
RT/E/C/10049	BRS SW67 Typical Signalling Circuits: Relays Exempt from Servicing
RT/E/C/10050	Westinghouse Geographical Typical Signalling Circuits: Relays Exempt from Servicing
RT/E/C/10051	GEC Geographical Typical Signalling Circuits: Relays Exempt from Servicing
RT/E/C/19020	Signalling Equipment Technical Advice Notice (SIGTAN 020) Signalling Relay Problems

4 Definitions

None

5 Introduction

In order to reduce the number of relays requiring replacement, whilst ensuring that unacceptable risk is not presented, a risk assessment process has been developed and applied to a number of interlocking types.

The resulting lists of relay functions which have been risk assessed and exempt from routine replacement are detailed in Codes of Practice.