

Ref:	NR/L2/SIG/30014/D110
Issue:	05
Date:	06/09/2014
Compliance date:	07/03/2015

Level 2

Signalling Works Test Specification and Certificate Requirements

Endorsement and Authorisation

For endorsement, authorisation and issue record of this document, please refer to NR/L2/SIG/30014

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Published and Issued by Network Rail, Kings Place, 90 York Way, London. N1 9AG.



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Issue record

Issue	Date	Comments
1	Dec 09	
02	Jun 10	D110 – Re-named Defined Tests. Addition of Defined Check A7 (Check for correct application) and change to Defined Check A5 (Check for Timers Adjusted and sealed)
03	Mar 11	D110 – Re-named Signalling Works Test Specification and Certificate Requirements. Added Test Certificate requirements and numbering of Test Specifications and Test Certificates. Defined Tests moved to D115.
04	Dec 12	Incorporation of outstanding requirements from NR/GN/SIG/11724, updates and clarifications following industry feedback, including correction of mismatches with other chapters / sections of the handbook.
05	Sep 14	Off-site Test Specification format requirements clarified, and arrangements for use of generically accepted Test Specifications defined.

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 02/03/2012.

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

Company Standards

NR/L2/SIG/30014	Signalling Works Testing Handbook
NR/L2/SIG/30014/A100	Selection of Standards for Signalling Testing
NR/L2/SIG/30014/A110	Signalling Works Testing
NR/L2/SIG/30014/A210	Design and Testing Processes for Minor or Repetitive Alterations
NR/L2/SIG/30014/B410	Signalling Works Testing Staff Competence Assessment
NR/L2/SIG/30014/C120/TP12	Test Plan Appendix 2 - Testers' Identity and Mentorship Register form
NR/L2/SIG/30014/C210	Acceptance of Testing Planning Documentation
NR/L2/SIG/30014/C310	Check Marking and Recording on Test Copies

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NR/L2/SIG/30014/C410	Error Reporting
NR/L2/SIG/30014/C510	Handover for Signalling Works Testing
NR/L2/SIG/30014/D110/TC01	Master Test Certificate
NR/L2/SIG/30014/D115	Signalling Works Defined Checks and Tests
NR/L2/SIG/30014/D120	Signalling Works Test Specifications
NR/L2/SIG/30014/E110	Signalling Works Testing Glossary

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1 Purpose

This document is part of the suite of documents contained within the Signalling Works Testing Handbook, [NR/L2/SIG/30014](#), which together detail the requirements for signalling works testing activities.

This Level 2 document specifies the requirements for the production of Signalling Works Test Specifications and Test Certificates, and mandates a standardised format for the certifying of satisfactory testing achievement using Test Certificates.

The actual equipment or testing type specific Test Specifications and Test Certificates are issued as sections of [NR/L2/SIG/30014/D120](#), and their current status is listed in [NR/L2/SIG/30014](#).

This standard details how Test Specifications and Test Certificates are used, in association with the Test Plan, to define the mandatory tests and procedures necessary to test new or altered signalling equipment with sufficient depth that, when implemented in conjunction with the other applicable parts of the Signalling Works Testing Handbook, safe working is confirmed when signed into service.

2 Scope

This level 2 standard applies to work that meets the selection criteria for [NR/L2/SIG/30014/A110](#) or [NR/L2/SIG/30014/A210](#) as defined in [NR/L2/SIG/30014/A100](#).

3 Flowchart

None

4 Procedure

4.1 Signalling Works Test Specifications

4.1.1 Purpose and Content of Test Specifications

It is vitally important that Testers are clear about the performance criteria required for all tests. The performance criteria include:

- The reason for the test, as defined in the Test Plan;
- The content of the test, as specified in the Test Specification, as required by the Test Plan and as individually selected by an open entry on the Test Certificate; and,
- The acceptance criteria for the test (e.g. Train shunt value, detection setting parameters), as specified on the Test Specification, the Design, or, in the case of principles testing, by signalling principles.

The principle purpose of testing is to confirm that the requirements of the Design have been met and the system and equipment operate within the required parameters. The rigorous application of Test Specifications enables a formal demonstration that all the requirements of the specification, design and production have been fully addressed in the build and implementation of the system.