
Equipment Housing Signalling Works Test Specification

Includes:	New and altered existing equipment housings.
Excludes:	Manufacturer's product testing
Related Test Specifications:	NR/L2/SIG/30014/D120/TS3-01 New and Existing Cables.
Related Standards:	NR/L2/SIG/10064 General Instruction to Staff Working on S & T Equipment, NR/L3/SIG/11303 Signalling Installation. Note: This list of related standards is not exhaustive. Note: all relevant Technical Instructions and Notice Boards are to be checked for new instructions.
Related Design details:	Scheme plan, Loc area plan, SB / REB / Location drawings.
Recording of Testing:	Completion of tests shall be by application of the check marks and recording of values on test copy diagrams, by recording of values on the appropriate record card, and by signing the appropriate test certificate.
Pre-requisites:	Appropriate cable testing complete prior to function testing.

General

This test specification is formed of the following sections, which correlate to the competency levels identified in NR/L2/SIG/30014/B410 for this type of equipment or testing.

1. Inspection
2. Wire Count and Continuity
3. Changeovers Preparation and On Site
4. Power Supplies - Earthing and Function Tests
5. Function Tests

General definitions of terms are given in NR/L2/SIG/30014/E110, however terms specific to this specification are defined in the last section of this specification.

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1. INSPECTION

1.1. *Check* that the correct Equipment Housing name/number is clearly visible

1.2. *CHECK for CORRECT TYPE;*

NOTE: Wiring and wiring routes shall be considered as equipment.

1.3. Carry out *CHECK for NO DAMAGE.*

1.4. Carry out *CHECK for CORRECT POSITION:*

1.4.1. *Check* all equipment is fitted as specified in the wiring diagrams

1.4.2. *Check* the trunking meets the requirements for mechanical, electromagnetic interference and electrical segregation of wiring requirements in accordance with NR/GI/E005.

1.5. *CHECK for CORRECT LABELLING:*

1.5.1. *Check* all equipment is labelled correctly as specified in the wiring diagrams

1.5.2. *Check* as applicable:

- HV warning labels on equipment housing doors and all equipment with High Voltages.
- Use of Radio / Telephone / Transmitters warning labels.
- ESD warning labels.

1.6. *Check* for correct installation and security of all equipment:

1.6.1. No bare wire or cable ends are left exposed; [NR/GI/E052](#) specifies the protection methods.

1.6.2. All equipment is properly secured by use of nut/bolt, thumbscrew or retaining clips as appropriate.

1.6.3. All cables are clamped with the appropriate size of clamp at the cable entry point and further supported (clamp or tie-wrap) as necessary.

1.6.4. Equipment housing is secured by the correct type of key lock / padlock as appropriate. *Check* smooth operation of locking mechanism and *Check* it is clean and lightly oiled.

1.7. *Check* the relative position of all Trackside Equipment and trackside assets as shown on the extract of the Location Area plan provided in SB / REB / Location drawings is correct with respect to the actual position.

1.8. Carry out equipment specific inspection *checks* for the equipment within the Equipment Housing in accordance with the appropriate Test Specification(s); examples include train detection, TPWS, CCTV, FDM, and SSI equipment.

1.9. *CHECK for CORRECT COMMISSIONING COPIES*