

Letter of instruction

Information for users

The following document:

NR/L2/TEL/30124 Issue 2

has had changes made to it, most recently, with effect from **23 September 2013**.

Instructions for use

It is essential that you first read and understand each letter of instruction pertaining to the standard before proceeding to use the standard. You must then apply the requirements of each letter to the standard.

NR/BS/LI/314	Issue 1	Expired December 2014	Proceed to letter ►
NR/L2/TEL/30124	Issue 2	01 December 2012	Proceed to standard ►

For further information, please contact:

[IHS Customer Support](#)

Ref:	NR/L2/TEL/30124
Issue:	2
Date:	1 December 2012
Compliance date:	2 March 2013

Level 2

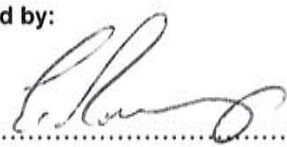
Specification for the maintenance of GSM-R radio BTS, BSC, TCU, repeater and IVRS equipment

Endorsement and Authorisation

Endorsed by:


.....
Grant Kilgour, Working Group Chair

Authorised by:


.....
Ed Rollings, Steering Group Chair

Accepted for issue by:


.....
Mick McManus, National Standards Manager

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User information

This Network Rail standard may contain requirements that are colour-coded according to the following Red–Amber–Green classification.

Red – Mandatory requirements

- **Requirements** that **will** be complied with, and achieved under all circumstances.
- Accountability for the efficacy of these requirements lies with the Professional Head/Standard Owner.
- These requirements are monitored for compliance.
- Local non-compliances, discovered through engineering verification visits, will be reported and monitored through the quarterly Engineering Verification Report.
- Corrective actions will be enforced where local non-compliances remain open beyond the agreed mitigation plan dates.
- These are presented in a red box **and with the word “shall” or a direct instruction.**

Amber – Conditional requirements

- **Requirements** that **will** be complied with unless deviation has been approved.
- Accountability for the efficacy of these requirements lies with the Professional Head/ Standard Owner, or their nominated Delegated Authority.
- These requirements are monitored for compliance.
- Derogations **may** be permitted; which are to be approved by Standard Owner in advance.
- Derogations and Temporary Non-Compliances **may** be granted through the existing Delegated Authority arrangements.
- These are presented with an amber sidebar **and with the word “shall” or a direct instruction.**

Green – Guidance

- Guidance based on good practice; representing supporting information, based on good practice, to help achieve **RED** and **AMBER** requirements.
- This guidance is **not mandatory** and is not monitored for compliance.
- Alternative solutions may be used, which do not need to be formally approved.
- Decisions made by a competent person to use alternative solutions should be backed up by appropriate evidence/documentation.
- This is presented with a dotted green sidebar **and with the word “should” (usually in notes).**

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Issue record

Issue	Date	Comments
1	March 2009	First Issue
2	Dec 2012	Previously 'Specification for the Maintenance of GSM-R Radio BTS, BSC & TCU Equipment' Change scope of appendix A to only include outdoor BTS systems (IVRS) New appendix B for GSM-R BTS units installed under the FTN GSM-R project Amalgamated old appendices B and C for BSC and TCU units New appendix E for GSM-R Repeater units Update tasks in new appendices B, C and E in line with RCM analysis New standard template applied

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 2nd March 2013.

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

NR/SP/TEL/31001	Telecommunications Maintenance Testing & Failure Investigation.
NR/L2/TEL/31002	Maintenance of Telecommunications Equipment.
NR/L2/TEL/30074	Maintenance of Telecoms Earth and Screening Systems.
NR/L2/TEL/30081	Maintenance of Telecoms Power Plant and Batteries.
NR/L2/TEL/30088	Maintenance of Antenna Systems and Feeders.
NR/SP/TEL/30027	Technical Requirements for Legacy Train Radio Communications.
GI/RT/7033	Lineside Operational Safety Signs.
411-9001-084	BTS Maintenance Manual – Nortel Networks.
411-9001-041	BSC Maintenance manual – Nortel Networks.

Ref:	NR/L2/TEL/30124
Issue:	2
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411-9001-042 TCU Maintenance Manual – Nortel Networks.

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Ref:	NR/L2/TEL/30124
Issue:	2
Date:	1 December 2012
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Contents

1 Purpose.	6
2 Scope.	6
3 Responsibilities.	6
Appendix A Maintenance of IVRS BTS & C-DACS.	7
Appendix B Maintenance of GSM-R BTS.	10
Appendix C Maintenance of GSM-R BSC & TCU.	11
Appendix D IVRS System Monitoring.	12
Appendix E GSM-R Repeater.	13

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