

Information for users

To access individual modules referenced within this standard, links are provided from the Related Documents tab. Clicking on a specific reference will display the corresponding module information.

Alternatively, you may use the search facility to search for a module by using the complete module reference number – such as NR/L3/SIG/30082/002 – in the search field.

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ISSUE

5

SMS

NR/SIG/10663

Signal Maintenance Specifications

Publication Date: 6 September 2014

This Network Rail standard contains colour-coding according to the following Red–Amber–Green classification.

Red requirements – No deviations, could stop the railway

- **Red requirements shall** always be complied with and achieved.
- Red requirements shall be presented in a red box **with the word “shall” or expressed as a direct instruction**.
- Accountability for the efficacy of red requirements lies with the Professional Head/Standard Owner.
- Red requirements are monitored for compliance.
- Corrective actions shall be enforced if deviations are discovered through functional checks (e.g. engineering verification visits, audit or Operations Self-Assurance).

Amber requirements – Controlled deviations, approved risk analysis and mitigation

- **Amber requirements shall** be complied with unless deviation has been approved in advance.
- Amber requirements shall be presented with an amber sidebar **and with the word “shall” or expressed as a direct instruction**.
- Accountability for the efficacy of these requirements lies with the Professional Head/Standard Owner, or their nominated Delegated Authority.
- Amber requirements are monitored for compliance.
- Deviations **may** be permitted. Deviations are approved by the Standard Owner or through existing Delegated Authority arrangements.
- Corrective actions shall be enforced if **non-approved** deviations are discovered through functional checks (e.g. engineering verification visits, audit or Operations Self-Assurance).

Green – Guidance

- Guidance is based on good practice. Guidance represents supporting information to help achieve **Red** and **Amber** requirements.
- Guidance shall be presented with a dotted green sidebar **and with the word “should” (usually in notes) or as a direct instruction**.
- Guidance is **not mandatory** and is not monitored for compliance.
- Alternative solutions may be used. Alternative solutions do not need to be formally approved.
- Decisions made by a competent person to use alternative solutions should be backed up by appropriate evidence or documentation.

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1 Job roles

This manual applies to Signalling Technicians.

3 Reference Documentation

NR/L2/SIG/10660	Implementation of Signal Maintenance Specifications
NR/L2/SIG/10661	Signal Maintenance Task Intervals
NR/L2/SIG/10662	Process for Introduction of New or Revised Maintenance Regimes for Signalling Assets

4 Definitions

Definition	Meaning
Default Maintenance Regime	The maintenance regime to be used on all signalling assets on Network Rail infrastructure apart from alternative regimes on certain equipment types that have been authorised following the process detailed in NR/L2/SIG/10662
Alternative Maintenance Regime	This can be any maintenance regime authorised by NR/L2/SIG/10662, examples being Risk Based Maintenance or Reliability Centred Maintenance

Index of NR/SMS suite

The indexes on the following pages show the latest (current) issues of the individual NR/SMS documents. Updated NR/SMS documents take time to introduce into service due to briefing and the requirement to implement at the correct point in the maintenance cycle.

Compliance shall be achieved by the date shown, but the SMS may be implemented and the previous version withdrawn on or before the compliance date.

The status column indicates NR/SMSs amended or withdrawn by this update in accordance with details in the following table:

Status Note	Meaning
Unchanged (U)	NR/SMS unchanged by this update
Amended (A)	NR/SMS amended by this update. Compliance to be achieved on or before the compliance date. Prior to compliance, the previous issue of the NR/SMS remains in force. Actual compliance date to be achieved will be advised by your SM(S)/Line manager
New (N)	A new NR/SMS introduced by this update. Compliance to be achieved on or before the compliance date. Actual compliance date to be achieved will be advised by your SM(S)/Line manager
Withdrawn (W)	NR/SMS to be withdrawn by this update on or before the compliance date. Actual withdrawal date will be advised by your SM(S)/Line manager

Maintenance shall be undertaken to the NR/SMS current for that location unless:

- a) there is an authorised technical non-compliance issued for that SMS or
- b) there is an alternative maintenance regime in force, authorised by the process described in NR/L2/SIG/10662 (typically Reliability Centred Maintenance or Risk Based Maintenance)

NR/SMS Format

The word version of NR/SMS is now A4. This is to allow the downloaded copies to be formatted and copied to any size required. All changes are detailed in the briefing note. There is no indication in the document itself.. Hyperlinks to linked tests and descriptive works have also been added. Please note that the hyperlinks will only work on electronic versions where all the document files are in the same channel on the server.

Controlled Versions

Once a copy of NR/SMS is downloaded from its electronic source or printed from its electronic source it shall be classed as uncontrolled.

Companies outside Network Rail shall be responsible for managing there own internal document control system.

NR/SMS queries or comments

If you have any queries or comments about any of the NR/SMS suite, contact in the first instant should be made to your SM(S) or line manager. If the query or comment cannot be answered at this level, the SM(S) or line manger should contact the person named on the standard briefing note (under the heading 'for further information contact') or signalengineers@networkrail.co.uk.

Index of [NR/SMS/Part/A](#)

NR/SMS	Issue	Issue Date	Compliance Date	Status
Part/A01	06	02/03/13	07/09/13	U
Part/A02	01	01/12/09	01/06/10	U
Part/A03	06	02/03/13	07/09/13	U
Part/A04	07	02/03/13	07/09/13	U
Part/A05	03	01/12/09	01/06/10	U
Part/A06	03	01/12/09	01/06/10	U
Part/A07	01	01/04/02	31/08/02	U
Part/A08	02	01/12/09	01/06/10	U
Part/A09	02	01/02/05	30/06/05	U
Part/A10	02	01/02/05	30/06/05	U
Part/A11	01	01/04/02	31/08/02	U
Part/A13	03	01/12/09	01/06/10	U
Part/A14	02	01/02/05	30/06/05	U
Part/A15	01	01/12/09	01/06/10	U
Part/A16	02	06/09/14	07/03/15	A
Part/A17	01	02/03/13	07/09/13	U

Index of [NR/SMS/Part/B](#)

NR/SMS	Issue	Issue Date	Compliance Date	Status
Test/001	01	01/04/02	31/08/02	U
Test/002	02	01/02/05	30/06/05	U
Test/003	04	02/03/13	07/09/13	U
Test/004	06	06/09/14	07/03/15	A
Test/005	01	01/12/09	01/06/10	U
Test/007	01	01/12/09	01/06/10	U
Test/008	02	01/12/09	01/06/10	U
Test/009	01	01/12/07	30/06/08	U
Test/010	02	02/03/13	07/09/13	U
Test/011	03	01/12/09	01/06/10	U
Test/012	02	01/02/05	30/06/05	U
Test/013	03	01/12/07	30/06/08	U
Test/014	02	01/12/07	30/06/08	U
Test/015	01	01/04/02	31/08/02	U
Test/016	06	02/03/13	07/09/13	U
Test/017	01	01/04/02	31/08/02	U
Test/018	01	01/04/02	31/08/02	U
Test/019	02	02/03/13	07/09/13	U
Test/020	01	06/09/14	07/03/15	N