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| Ref:             | NR/L2/SIG/30009/GKRT0064 |
| Issue:           | 2                        |
| Date:            | 07/03/2015               |
| Compliance date: | 06/06/2015               |

## Level 2

# Provision of Overlaps, Flank Protection and Trapping (Former Railway Group Standard GK/RT0064)

### Endorsement and Authorisation

For endorsement and authorisation, please refer to NR/L2/SIG/30009

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## User information

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

### Red requirements – *No variations, 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 variations, 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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## Issue record

| Issue | Date       | Comments                                                                |
|-------|------------|-------------------------------------------------------------------------|
| 1     | June 2014  | Incorporating former RGS <a href="#">GK/RT0064</a>                      |
| 2     | March 2015 | Insertion of Trackers 4407, 3632, 8588 and guidance for clause 4.5.1 e) |

## Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 07/06/2014.

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

|                                 |                                                                    |
|---------------------------------|--------------------------------------------------------------------|
| <a href="#">GK/RT0064</a>       | Provision of Overlaps, Flank Protection and Trapping               |
| <a href="#">GK/RT0055</a>       | Block system Interface Requirements                                |
| <a href="#">NR/L2/SIG/14201</a> | Prevention and Mitigation of Overruns - Risk Assessment of Signals |
| <a href="#">TI 095</a>          | Signal Overrun Risk Assessment                                     |

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## 1 Purpose

As part of the filtering exercise carried out by RSSB, it was found that a number of mandatory requirements contained in [GK/RT0064](#) were out of scope of the Railway Group Standards Code as being single duty holder responsibilities. This a result, the Railway Group Standard was withdrawn by RSSB.

## 2 Scope

All requirements contained in [GK/RT0064](#) are still required to be complied with, the table below shows the exception to this.

| Clause/subclause                       | Change                                                                                                                                                                                                                                                                                  |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GK/RT0064<br/>4.8.4 (b)</b>         | Tracker 4407 (06/230/NC) relating to the provision of a separate overlap and which is not required if the shunt movement is fully train detected                                                                                                                                        |
| <b>GK/RT0064<br/>8.1</b>               | Tracker 3632 (05/213/NC) which allows points to be automatically returned to their reverse lie when previously it was expected that only auto normalisation was needed.                                                                                                                 |
| <b>GK/RT0064<br/>5.1.1 &amp; 5.1.2</b> | Tracker 8588 (11/104/DGN) which allows flank point calling to be omitted from signal controls where the flank protection only protects the overlap                                                                                                                                      |
| <b>GK/RT0064<br/>4.6</b>               | The requirements are now contained in Clause 2.1.1.5, GK/RT0055 and NR/L2/SIG/14201 and TI 095                                                                                                                                                                                          |
| <b>4.5.1e)</b>                         | Guidance – this clause allows permissive moves (Warner or Permissive shunt) to not be provided with an OL. Permissive moves are permitted to be provided with an OL. In cases when exit signal is held at red this can allow simplification of controls and data for permissive routes. |
| <b>GK/RT0064<br/>Section 7</b>         | The requirements are now contained in NR/L2/SIG/30009/E420 and NB125/5                                                                                                                                                                                                                  |

## 3 GK/RT0064 – Provision of Overlaps, Flank Protection and Trapping

Is attached to this module.

|                               |
|-------------------------------|
| <b>Railway Group Standard</b> |
| <b>GK/RT0064</b>              |
| <b>Issue One</b>              |
| <b>Date December 2000</b>     |

# Provision of Overlaps, Flank Protection and Trapping

## Synopsis

This document specifies a range of controls to be applied to mitigate the consequences of a train overrunning a signal at danger.

Signatures removed from electronic version

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