

Information for users

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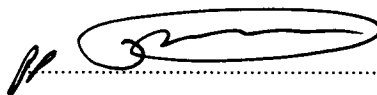
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Level 3

Axle Counter System Handbook

Endorsement and Authorisation

Endorsed by:



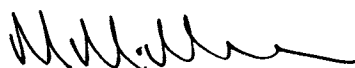
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Issue Record

Issue	Date	Comments
1	March 2010	Initial issue
2	December	2 nd issue

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 05 March 2011.

When this standard is implemented, it is permissible for all projects that have formally completed GRIP Stage 4 to continue to comply with the Issue of any relevant Network Rail Standards current when GRIP Stage 4 was reached and not to comply with requirements contained herein, unless the designated Standard Owner has stipulated otherwise in the accompanying Briefing Note.

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1 Purpose

This handbook defines requirements and provides guidance to those involved with axle counter systems for use on Network Rail infrastructure. It has been produced following lessons learnt from a number of applications.

This handbook comprises a number of standards which include mandatory sections, statements of best practice (which shall be followed unless an alternative can be demonstrated to be beneficial to the company and no less safe), and guidance on historical practices (which shall not be applied to new works but provides information on previous standards or their interpretation).

2 Scope

This handbook is applicable to all new axle counter installations and to alterations at existing axle counter installations.

The handbook is based on multi-section axle counters, however the same principles may be applied to other configurations. It is recognised that axle counter systems manufactured by different suppliers are not the same and that they have different attributes which may influence the choice of axle counter system used for a particular application or its design and implementation.

This handbook is intended as far as possible to be manufacturer neutral in stating requirements, desirable features and good practice for axle counter application on Network Rail's managed infrastructure. There is no intention to preclude the use of axle counter systems, technologies and arrangements from other manufacturers provided that they satisfy the safety, operational and maintainability requirements specified by Network Rail. However, certain parts of this handbook highlight arrangements specific to the Thales and Siemens systems in respect to their application on Network Rail infrastructure.

3 Definitions

A number of terms are defined for clarity in Appendix A. This meaning shall be assumed throughout the handbook.

4 Introduction

This handbook is part of a suite of standards produced by Network Rail to establish the principles for design and implementation of axle counter systems and to provide axle counter application guidance for use on Network Rail managed infrastructure.

The documents that make up this new suite of axle counter standards provide an information hierarchy where further guidance or specific systems are described in separate documents, attempting to minimise duplication. It may therefore be necessary to consult more than one standard to obtain all information relevant to a particular topic.