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Level 2

Signalling Design: Module X01 – Level Crossings: General

Endorsement and Authorisation

For endorsement and authorisation, please refer to
NR/L2/SIG/11201

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Issue record

Issue	Date	Comments
1	03/09/2011	First Issue

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 03/09/2011.

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

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1 Purpose

Module X mandates the requirements for signalling engineering design of level crossings.

2 Scope

The requirements of this document apply to new level crossings. They also apply for alterations carried out at existing level crossings subject to the conditions below.

2.1 Exclusions

Level crossings are subject to various legal requirements usually including a Level Crossing Order. These legal requirements always take precedence over the requirements of this document.

Temporary crossings provided solely for construction or maintenance projects are excluded from the scope of this document.

2.2 Alterations to a level crossing

When any alteration is considered at a level crossing It shall be considered whether the alteration provides a reasonable opportunity to bring parts or all of the crossing up to full compliance with this standard, or to achieve compliance with any other engineering discipline standards.

Normally where there is a substantial renewal of an existing level crossing, then it shall mean that the crossing is brought into compliance. However smaller alterations need not trigger a full upgrade.

The assessment of reasonability to undertake works shall be by documenting the costs of the additional works to update the crossing set against the realistic safety and operational benefits of the works. The results and recommendations shall be considered by the project and sponsor arranging the original alteration work.

3 Definitions

For the purpose of this standard, the following terms and definitions apply.

85%ile Rule	The speed below which 85% of the road vehicles passing over the crossing travel.
Automatic Level Crossing.	AHB, AOCL, ABCL. NOTE, MCB with auto lower, MCB-OD and MSL are not defined as automatic in RSP&G.