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Date:	4 September 2010
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Level 3 Module

Signalling Installation – Equipment Rooms: Equipment and Wiring Practice

Endorsement and Authorisation

For endorsement and authorisation, please refer to NR/L3/SIG/11303.

This module is a reformatted version of the previous Signalling Installation Handbook with no change to the content other than correction of terminology.
It represents historic best practice which may no longer be relevant.

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Issue record

Issue	Date	Comments
2	September 2010	Reformatted version of previous document incorporating the text of the installation handbook.
1	August 2000	First issue.

Compliance

This Network Rail standard is mandatory and shall be complied with by Network Rail and its contractors if applicable from 4 December 2010.

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 Introduction

This instruction describes the standard arrangements for equipment rooms and relocatable equipment buildings. It also covers allied areas where signalling installation takes place. This includes battery rooms and the operating floors of panel signal boxes.

Carefully follow the requirements of the installation drawings. Existing rooms may not have been installed to today's standards and the drawings may call for special arrangements. If in doubt or difficulty, ask your supervisor for advice.

All the techniques of good installation practice described elsewhere in this Handbook should be applied in addition to those given in this instruction.

2 General

Protect flooring and walls when the work may damage them. Sheets of hardboard make suitable temporary covering. Industrial rubber matting may be used as a reusable floor covering, but should not be confused with the insulating safety matting to be laid in high voltage areas.

Do not store excessive amounts of material in relay and equipment rooms. Check that you do not block access to working equipment.

Fire extinguishers need to be provided in the room from the commencement of the work.

3 Work At An Existing Installation

Refer to Module 1D20.

4 Equipment Racks

Components and arrangements of racking should conform generally to drawings in the BRS-SM 440 series.

The lowest relay should not be less than 300mm from the floor. The overall height of the racks plus main wireways should not exceed 2.5 metres from the floor.

Follow the layout arrangements shown in the installation drawings. If this gives difficulty, advise your supervisor.

5 Cable Termination Racks

Components and arrangements of racking should conform generally to drawings in the BRS-SM 440 series.