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Issue:	2
Date:	4 September 2010
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Level 3 Module

Signalling Installation – Locations: Fitting Out

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 Equipment Layout

Figures 1 and 2 show the front and back views of a typical standard layout. The layout shown in installation drawings should not be changed. There may be good reason for a designed arrangement, particularly where electronic equipment is concerned.

In the event of the drawings showing an impracticable design, it needs to be referred back to the design office through your SM(S).

When mounting a piece of equipment of which some part is adjustable (the sliding contact of an adjustable resistor for example), make sure there is room to adjust it and any bare contacts cannot touch each other throughout the adjusting range. It should be possible to make all adjustments from the front of the location case. This includes the connection of gain setting straps.

A diagram holder (usually in the form of a plastic tube or wallet) to house the maintenance drawings, should be fitted in each location.

Figures 4 and 5 show front and back views of a typical location case assembly.

2 Doors

When removed for prefabrication work etc., location doors should be marked so that they can be replaced in their original position. This will avoid fitting problems.

3 Identification

The location identification shall be shown on the side of the case facing the rails and also the opposite side (if this is visible). It may be stencilled in black or engraved on a weatherproof plastic label. Label fixings need to be secure.

4 Tents

When wiring in existing locations in wet weather, use a location tent. This will prevent water damaging equipment or creating false feeds. An example of how to use the tent is shown in Figure 3.

5 Cables

In new installations, incoming external multicore and tail cables are to be fixed to the left hand side of their terminations so that the links or internal wires are to the right. This convention may not always be possible at SSI and other electronic equipment locations. At existing locations, follow the previous practice to avoid confusing mixtures of standards.

Cables should be securely clamped to the clamp rail.