Ref:	**NR/L2/SIG/11201 – Mod B5**
Issue:	4
Date:	04/06/2011
Compliance date:	03/09/2011

Level 2

Signalling Design: Module B5 -

Circuits – Electromagnetic Compatibility of Electronic Equipment

Endorsement and Authorisation

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

This document is the property of Network Rail. It shall not be reproduced in whole or part nor disclosed to a third party without the written permission of Network Rail.
© Copyright 2011 Network Rail.

Uncontrolled copy once printed from its electronic source.

Published and Issued by Network Rail, Kings Place, 90 York Way, London. N1 9AG.

Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR NR-L2-SIG-11201-MODB05 IS 2011

Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 20:46:16 MDT

Issue record

Issue	Date	Comments
4	June 2011	Modularisation of handbook and guidance notes, contains content of former NR/GN/SIG/11600, Appendix D2.

Compliance

This Module 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.

Disclaimer

In issuing this document for its stated purpose, Network Rail makes no warranties, express or implied, that compliance with all or any documents it issues is sufficient on its own to confirm safe systems of work or operation. Users are reminded of their own duties under health and safety legislation.

Supply

Copies of documents are available electronically, within Network Rail's organisation. Hard copies of this document may be available to Network Rail people on request to the relevant controlled publication distributor. Other organisations may obtain copies of this document from IHS. Tel: 01344 328039.

--`,,,,,,`,,,,,,`,,`,,,,,,,,`-`-`,,`,,`,`,,`---
Documents
Document Sharing Hub
Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 20:46:16 MDT
Full document details: NR NR-L2-SIG-11201-MODB05 IS 2011

Contents

1 ELECTROMAGNETIC COMPATIBILITY OF ELECTRONIC EQUIPMENT 4

1.1 AUDIO FREQUENCIES 4

1.2 REED SYSTEMS 5

1.3 FREQUENCY DIVISION MULTIPLEX (FDM) 6

1.4 TIME DIVISION MULTIPLEX (TDM) 7

1.5 CLOSED CIRCUIT TELEVISION (CCTV) TRANSMISSION SYSTEMS 7

1.6 SOLID STATE INTERLOCKING (SSI) 7

1.7 PANEL MULTIPLEXERS (PMUXS) 8

1.8 EARTHING OF EQUIPMENT 9

Documents
Document Sharing Hub

Copyright Network Rail
Provided by IHS under license with Network Rail
No reproduction or networking permitted without license from IHS
Full document details: NR NR-L2-SIG-11201-MODB05 IS 2011

Licensee=Weston Williamson/5989497001, User=sam, albett
Not for Resale, 03/27/2016 20:46:16 MDT