

Information for users

The following document:

RT/CE/S/077
Issue 1

has had changes made to it, most recently, with effect from **08 September 2008**.

Instructions for use

It is essential that you first read and understand each letter of instruction pertaining to the standard before proceeding to use the standard. You must then apply the requirements of each letter to the standard.

RT/CE/S/077	Issue 1	04 October 2003	Proceed to standard ►
NR/BS/LI/101	Issue 1	08 September 2008	Proceed to letter ►

For further information, please contact:

IHS Customer Support

Please click here to proceed to the Network Rail Standards' 'Support Contacts' for their latest contact details.

Supplement Notice

Information for users

The attached standard:

RT/CE/S/077

Issue 1

has essential supplementary information

Instructions for use

It is essential that you first read and understand the supplement pertaining to the standard before proceeding to the standard. You must then apply the requirements of the supplement to the standard.

Proceed to supplement ►**I have read & understand the supplement.
Proceed to standard ►**

Ref	NR/SP/TRK/077
Issue	I
Date	October 2003

Storage, Installation & Testing of TSR & ESR AWS Magnets (formerly RT/CE/S/077)

This temporary front sheet facilitates change to the new Network Rail Standards referencing nomenclature.

The Ref above will be formally allocated to this standard when it is next changed in the meantime the contents, date and issue number of this Network Rail Standard are **UNCHANGED and with immediate effect it should be referred to as “(new ref) formerly (old ref)”.**

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 the Standard Owner.

© Copyright 2004 Network Rail

Uncontrolled copy once printed from its electronic source.

Published & Issued by: Network Rail; 40 Melton Street, London NW1 2EE



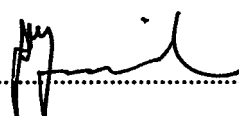
Network Rail

Company Specification

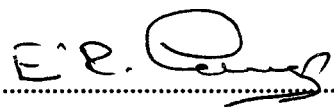
Storage, Installation & Testing of TSR & ESR AWS Magnets

Endorsement & Authorisation

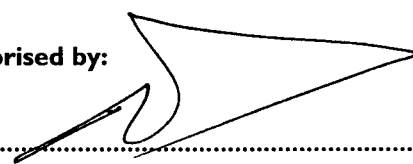
Endorsed by:


.....
for A Simmons, Professional Head of Signal Engineering

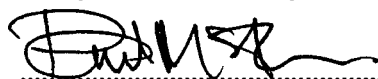
Endorsed by:


.....
pp. D Ventry, Professional Head of Track Engineering

Authorised by:


.....
A McNaughton, Chief Engineer

Accepted for issue by:


.....
P McAleer, Head of Business Standards

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 the Standard Owner.

© Copyright 2003 Network Rail

Uncontrolled copy once printed from its electronic source.

Summary

This specification defines the storage, installation and testing requirements for AWS speed restriction magnets. It is primarily aimed at front line staff responsible for the correct installation of speed restriction magnets.

Issue record

Issue	Date	Comments
I	October 2003	First Issue

Compliance

Compliance is required by November 2003.

Disclaimer

Network Rail, has used its best endeavours to ensure that the content, layout and text of this document are accurate, complete and suitable for its stated purpose. It makes no warranties, express or implied, that compliance with the contents of this document shall be sufficient to ensure safe systems of work or operation. Network Rail, will not be liable to pay compensation in respect of the content or subsequent use of this document for any purpose other than its stated purpose or for any purpose other than that for which it was prepared except where it can be shown to have acted in bad faith or there has been wilful default.

Supply

Copies of documents are available electronically, within Network Rail's organisation. Hard copies of this document will be available to Network Rail staff on request to the Document Controller and to other organisations from Technical Indexes Ltd (01344 404409)

Published & Issued by

Network Rail
40 Melton Street
LONDON
NW1 2EE

Contents

I	Purpose	4
2	Scope	4
3	Reference Documentation	5
4	Abbreviations	5
5	Responsibilities	6
6	AWS Speed Restriction Magnets	7
7	Magnet Care	8
8	Failure Investigation	11
9	The S & P (Strength and Polarity) Indicator	12

I PURPOSE

The aim of this specification is to define the requirements for the storage, installation and testing of TSR and ESR AWS magnets.

Note: the term “speed restriction magnet” is used throughout this document and can be taken to mean either TSR or ESR magnets. Also, the terms ‘yellow magnet’ and ‘green magnet’ should be taken to mean standard strength and extra strength magnet respectively.

2 SCOPE

This specification describes in a simple non-technical manner the storage, installation and testing requirements for AWS temporary speed restriction magnets to staff who will generally be less familiar with the electrical performance of AWS. It is primarily aimed at Track Maintenance staff or other multi-disciplinary staff who may be engaged in the installation of these speed restriction magnets.

This specification covers the following types of speed restriction magnet:

- BR standard-strength design conforming to BRS SM631, PADS No. 62/006773;
- BR extra-strength design conforming to BRS SM636, PADS No. 62/006776;
- the two-rail fitting designs manufactured by Vortok International, PA05/00971 (standard strength version PADS No. 62/006790 and extra-strength version PADS No. 62/006791);
- the single-rail fitting designs manufactured by Yardene, PA05/1086 (standard strength version PADS No. 62/006787 and extra-strength version PADS No. 62/006788).

This specification does not supersede any of the Signalling Maintenance testing requirements identified in the Network Rail RT/SMS standards for BR designs however, there are different requirements for non-BR designs and these are identified in this standard.

Note: although this specification identifies certain safeguards that need to be taken when fitting speed restriction magnets, it does not define general personnel and system safety measures that shall be implemented in order to fit these magnets.