

Supplement Notice

Information for users

The attached standard:

RT/CE/S/005

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/005
Issue	I
Date	August 1996

Rail Testing: Portable Ultrasonic Equipment (formerly RT/CE/S/005)

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)”.

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RAILTRACK LINE

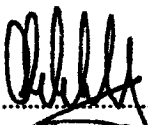
SPECIFICATION

RAIL TESTING : PORTABLE ULTRASONIC EQUIPMENT

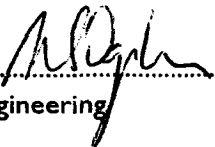
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Endorsed by


.....
Chairman, Railtrack Line Cn Eng Stds Cttee

Authorised by


.....
Director Civil Engineering

Published by
Director Civil Engineering
Railtrack HQ
East Side Offices
King's Cross Station
London N1 9AP



Documents

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Summary

This document defines the performance specification for portable ultrasonic rail flaw detector units used for testing rail on Railtrack-owned permanent way. This document applies to all portable ultrasonic rail flaw detectors used to carry out the procedures defined in Railtrack Line specification RT/CE/S/055 *Rail testing : ultrasonic procedures*.

Issue record

This specification will be updated when necessary by distribution of a complete replacement. Amended or additional parts of revised pages will be marked by a vertical black line in the margin.

Issue: 1 **Date:** August 1996 **Comments:** New specification

Responsibilities

This specification shall be complied with by all persons responsible for the approval, purchase and use of portable ultrasonic instruments for use on Railtrack's permanent way.

Persons using this specification shall ensure that they use the latest version of any document to which reference is made.

Implementation

The provisions of this specification are mandatory and apply from two months after the date at the top of this page unless a temporary non-compliance has been agreed by the Director Civil Engineering.

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Supply

Persons requiring controlled copies of this specification shall obtain them from their Directorate's Document Control Point.

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1 PURPOSE

This specification defines the performance requirements for portable ultrasonic rail flaw detector units used for testing rail in Railtrack-owned permanent way.

2 SCOPE

This specification applies to all portable ultrasonic rail flaw detectors used to carry out the procedures defined in Railtrack Line Specification RT/CE/S/055 *Rail Testing - Ultrasonic Procedures*.

3 DEFINITIONS

BNC British National Connector.

4 GENERAL REQUIREMENTS

4.1 Operating temperature

In test mode	-10°C to 35°C
In storage or transit	-25°C to 65°C.

4.2 Operational period

Minimum of five hours continuous use from a fully charged battery.

4.3 Display

Linear display area of not less than 65mm x 40mm with a graticule of 10 major horizontal divisions with one fifth sub divisions and 5 major vertical divisions. No measurable parallax of the graticule and the display when viewed at an angle of 15° from the normal. Display to be unaffected by magnetic fields produced by 25kV, 250A at 3m or 800v, 4000A at 500mm. The screen should be recessed or armoured to minimise contact damage. If the display is not visible in sunlight then a