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Op. & Maintenance. of Non Intrusive Earth Leakage test Adapter for Reed FDM Systems (formerly RT/E/S/10029)

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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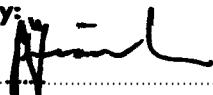


RAILTRACK LINE SPECIFICATION

OPERATION AND MAINTENANCE OF NON-INTRUSIVE EARTH LEAKAGE TEST ADAPTER FOR REED FDM SYSTEMS PRODUCED TO SPECIFICATION EDS 01/96 MOD STATE 3

Approval and Authorisation

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INTRUSIVE EARTH LEAKAGE TEST ADAPTER FOR
REED FDM SYSTEMS PRODUCED TO SPECIFICATION
EDS 01/96 MOD STATE 3**

Summary

This standard specifies the user and maintenance requirements for the Non-Intrusive FDM Earth Leakage Adapter. The adapter allows a standard multimeter to be adapted to allow it to measure the cable resistance to earth of the FDM system. Existing instruments for measuring the resistance pose the hazard of generating an interfering signal through its power supply and can therefore not be used on a live system.

Issue/Revision Record

This Standard will be updated when necessary by the distribution of a complete document. Amendments will be marked by vertical black line in the adjacent right hand margin. The latest issue of this Standard shall be implemented immediately upon receipt.

Issue	Date	Comments
One	August 1998	

Implementation

The requirements of this specification shall apply in respect of non-intrusive earth leakage test adapters for reed FDM systems, produced to specification EDS 01/96 mod state 3, used on Railtrack controlled infrastructure with effect from 1 August 1998.

Superseded document reference number	Issue	Date
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Safety

All persons are reminded that all appropriate safety precautions must be observed when undertaking the work covered by this document.

**OPERATION AND MAINTENANCE OF NON-INTRUSIVE
EARTH LEAKAGE TEST ADAPTER FOR REED FDM
SYSTEMS PRODUCED TO SPECIFICATION EDS 01/96
MOD STATE 3**

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INTRUSIVE EARTH LEAKAGE TEST ADAPTER FOR
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EDS 01/96 MOD STATE 3**

I INTRODUCTION

I.1 Purpose

The purpose of this document is to define the user and maintenance procedures for the Non-Intrusive Earth Leakage Test Adapter for Reed FDM Systems, Mod State 3 manufactured to design specification EDS01/96.

The document does not include acceptable insulation values required for the safe operation of reed FDM systems and Railtrack should be approached for this information.

I.2 Background

The Non-Intrusive Earth Leakage Test Adapter for Reed FDM Systems is a live tester for use on Reed FDM systems. Risk assessments to allow full implementation of FS2600 track circuits and Class 373, identified the need for FDM systems to be tested at regular intervals as they are sensitive to interference from both. The FDM systems are exposed to these interference currents through earth faults.

I.3 Abbreviations

FDM	Frequency Division Multiplex
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I.4 Definitions

General user. All engineering staff appointed to positions involved in the design, installation and maintenance of vital signalling systems having received appropriate training and regarded as competent in the use of approved designs of multimeter and insulation tester. It is not generally supported by a formal certificate of competence.