



SIN 367

Issue 2.3

February 2009

Suppliers' Information Note

For The BT Network

Characteristics of the BT Network: Electrical Safety and EMC

Each SIN is the copyright of British Telecommunications plc. Reproduction of the SIN is permitted only in its entirety, to disseminate information on the BT Network within your organisation. You must not edit or amend any SIN or reproduce extracts. You must not remove BT trade marks, notices, headings or copyright markings.

This document does not form a part of any contract with BT customers or suppliers.

Users of this document should not rely solely on the information in this document, but should carry out their own tests to satisfy themselves that terminal equipment will work with the BT network.

BT reserves the right to amend or replace any or all of the information in this document.

BT shall have no liability in contract, tort or otherwise for any loss or damage, howsoever arising from use of, or reliance upon, the information in this document by any person.

Due to technological limitations a very small percentage of customer interfaces may not comply with some of the individual characteristics which may be defined in this document.

Publication of this Suppliers' Information Note does not give or imply any licence to any intellectual property rights belonging to British Telecommunications plc or others. It is your sole responsibility to obtain any licences, permissions or consents which may be necessary if you choose to act on the information supplied in the SIN.

This SIN is available in Portable Document Format (pdf) from: <http://www.sinet.bt.com>

Enquiries relating to this document should be directed to: help@sinet.bt.com

CONTENTS

1	SCOPE	3
2	ELECTRICAL SAFETY	3
2.1	GENERAL	3
2.2	CLASSIFICATION OF INTERFACES.....	3
3	EMC	4
4	GLOSSARY	4
5	REFERENCES	5
6	HISTORY	5

1 Scope

This Suppliers' Information Note (SIN) describes the electrical safety and Electro-Magnetic Compatibility (EMC) characteristics of the interfaces of BT's fixed telecommunications network as presented to customers at the Network Termination Point (NTP).

Changes to the network that affect the correct working of terminal equipment will be published in BT SINs. If the changes impact on the content of this document then it will be updated.

2 Electrical Safety

2.1 General

British Telecommunications plc considers that NTPs of BT's fixed telecommunications network satisfy the requirements of the Electricity at Work Regulations in as far as is reasonable and practicable. We believe that the BT fixed telecommunications network is in accordance with relevant safety legislation. BT, however, can not influence the possibility of a fault occurring or a Rise of Earth Potential on customers' premises and therefore customers are responsible for protecting themselves and the BT network from these possibilities in respect of both safety and protection.

Provided the customer observes these requirements then the safety status of Approved Apparatus will not be compromised whilst it is connected to the NTP.

2.2 Classification of interfaces

In the meanings of the terms described in CENELEC Report/ETSI Guide ROBT-002/EG 201 212, customer interfaces of the BT fixed telecommunications network are considered to be in an exposed environment when presented as electrical conductors unless included in Table 1 of this SIN.

SIN	Title
118	BT LAN Extension Services 1, 2, 10 & 10 Local Reach (LES 1, 2, 10 & 10LR), Service Description (<i>Note – With reference here to LES 2 in particular</i>)
431	Openreach Wholesale Extension Services 10, Wholesale End to End Extension Services (WES/WEES 10) and Wholesale Extension Service Local Access 10 (WES-LA 10), Service & Interface Description
432	Openreach Wholesale Extension Services 10 And Wholesale End To End Extension Services Local Reach (WES/WEES 10LR)
433	Openreach Wholesale Extension Service 100 (WES 100), Wholesale End to End Extension Services 100 (WEES100) and Wholesale Extension Services Local Access 100 (WES-LA 100), Service & Interface Description
444	Openreach Backhaul Extension Services 10 (BES 10), Service & Interface Description
445	Openreach Backhaul Extension Services 100 (BES 100), Service & Interface Description

Table 1. SINS describing interfaces presented as electrical conductors but considered to be in an unexposed environment.

Information on the normal operating voltages at an NTP is contained in the SIN for the particular service.

3 EMC

Network Terminating Points of BT's fixed telecommunications network comply with the current EMC regulations.

Note: The minimum EMC requirements for electrical or electronic good supplied to BT are given in BT's Generic Standard GS7.

4 Glossary

CENELEC	European Committee for Electrotechnical Standardisation
EMC	Electro-Magnetic Compatibility
ETSI	European Telecommunications Standards Institute
LAN	Local Area Network
NTP	Network Termination Point
SIN	Suppliers Information Note

5 References

CENELEC Report/ETSI Guide

R0BT-002/EG 201 212	Electrical safety; Classification of interfaces for equipment to be connected to telecommunication networks
---------------------	---

BT Generic Standard

GS7	Electromagnetic Compatibility Standard
-----	--

For further information or copies of referenced documents please see document sources at <http://www.sinet.bt.com/docsources.htm>.

6 History

Issue 1.0	October 2000	First issue of SIN 367
Issue 2.0	February 2002	LES 10 and LES 100 added to Table 1. Reference to BT Generic Standard GS7 added.
Issue 2.1	March 2003	Editorial change.
Issue 2.2	April 2004	Editorial changes.
Issue 2.3	February 2009	Table 1 updated to include all of the currently relevant services. Also minor editorial changes.

-END-

We would be grateful if you would spend a few minutes to complete an online customer satisfaction form at <http://www.sinet.bt.com/happy.htm>