

Apparatus for connection to private circuits run by certain public telecommunication operators —

Part 3: Specification for apparatus for connection to direct current circuits

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Committees responsible for this British Standard

This British Standard was published under the direction of the Telecommunications Standards Committee TCL/-. Its preparation was entrusted to Technical Committee TCL/5 upon which the following bodies were represented:

- British Airways
- British Approvals Board for Telecommunications
- British Gas Corporation
- British Security Industry Association
- British Telecommunications
- Business Equipment Trade Association
- Cable and Wireless Limited
- Committee of London Clearing Bankers on Behalf of the Committee of Scottish Clearing Bankers, Co-operative Bank, Central Trustee Savings Bank and Yorkshire Bank
- Department of Industry
- Electronic Engineering Association
- Engineering Equipment Users' Association
- Independent Broadcasting Authority
- Mobile Radio Users' Association
- Oil Companies Materials Association
- Post Office Engineering Union
- Royal National Institute for the Blind
- Telecommunication Engineering and Manufacturing Association (TEMA)
- Telecommunications Managers' Association
- Telecommunications Users' Association (TUA)
- UK Offshore Operators' Association Ltd.

This British Standard, having been prepared under the direction of the Telecommunications Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1983

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The following BSI references relate to the work on this standard:
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BRITISH TELECOMMUNICATIONS ACT 1981 (c 38)

Approval under Section 16(1)(a) of a Standard for Apparatus for Connection to British Telecommunications private direct current circuits.

APPROVAL NO 83/007 S

The Secretary of State, after consultation with British Telecommunications, hereby approves the following as the standard to which the subscriber's apparatus defined in paragraph 2(ii) of this approval as 'terminal apparatus' must conform if it is, or is to be, connected directly to any private direct current circuit that is to say a 2-wire circuit that has a continuous metallic path, with no amplification, connecting users' premises, run by British Telecommunications (hereinafter called the specified system) and in paragraph 4 hereof specifies conditions which must be complied with in relation to the said subscriber's apparatus or its connection or use if it is to be regarded as conforming to the standard hereby approved.

2 In this approval –

- (i) 'risk' means any factor arising out of the connection to the specified system or the use of terminal apparatus which can reasonably be foreseen as being likely to cause –
 - (a) death, personal injury, loss or damage to –
 - (i) the user of the terminal apparatus; or
 - (ii) British Telecommunications or any of its employees or agents; or
 - (b) interference with, disturbance to or impairment of, the service available to users of –
 - (i) the specified system; or
 - (ii) any system connected, either directly or indirectly, to the specified system; and
- (ii) 'terminal apparatus' means apparatus of any kind capable of being connected directly to the specified system but excludes
 - (a) apparatus that has been, or is of a type that has been, approved under section 16(2) of the British Telecommunications Act 1981 before 9 September 1983; or
 - (b) apparatus connected to the specified system for test or development purposes in accordance with the terms of a written consent given by British Telecommunications.

3 The standard hereby approved for terminal apparatus shall be the same as the standard specified in British Standard 6328 : Part 3 : 1983 as published on 31 January 1983 except insofar as it shall have been agreed by the Secretary of State after consultation with British Telecommunications, or unanimously by a certification committee on which British Telecommunications and the British Standards Institution shall have a right of representation, that any deviation from strict conformity with the said British Standard does not give rise to a risk.

4 Terminal apparatus shall only be regarded as conforming to the standard hereby approved if all the following conditions are complied with as regards that apparatus:

- (a) it is, or is of a type that is, acknowledged as conforming to the standard by the Secretary of State or by the British Approvals Board for Telecommunications;

- (b) in the case of terminal apparatus listed in Schedule 1 to the Telecommunications (Marking and Labelling) Order 1982*, it conforms to a level of safety consistent with the United Kingdom's obligations under the European Communities' Council Directive No 73/23/EEC on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits and has been approved as so complying by the Secretary of State or by the British Approvals Board for Telecommunications;

5 This approval will come into effect on 9 September 1983.

* (SI 1982/491)

Date: 10 March 1983


.....
J H M SOLOMON
An Under Secretary in the Department of Industry

The following note does not form part of this approval.

NOTE British Telecommunications requires any person who connects subscriber's apparatus directly or indirectly to any telecommunication system that it runs to comply with the terms and conditions relating to the attachment of subscriber's apparatus under which service is provided by BT.

Foreword

This Part of BS 6328 has been prepared under the direction of the Telecommunications Standards Committee. It forms one of a series of British Standards that is being produced following the commencement of liberalization in October 1981 of the supply of certain telecommunications apparatus within the United Kingdom.

This series of standards will include product specifications giving particular requirements for individual items of apparatus, together with standards covering general requirements for the connection of apparatus to various public telecommunication systems (i.e. any telecommunication system designated as a public telecommunication system by an order made under Section 9 of the Telecommunications Act 1984). At the present time, these systems include the public switched telephone networks, the telex networks, the packet switching services, and leased private circuits run by British Telecommunications plc and Kingston-upon-Hull City Council.

The requirements specified in the standards also apply to certain forms of "indirect" connection of apparatus to public telecommunication systems. Because of the wording of Section 4(6) of the Telecommunications Act 1984, "indirect" connection is referred to in these standards as connection to a relevant branch telecommunication system which is not itself a public telecommunication system, but is connected to one or more such systems.

The requirements specified in the standards are intended to ensure that apparatus complying with them, when connected to public or branch telecommunications systems, will neither adversely affect any public system nor interfere with the service available to other users of public telecommunication systems. The standards include safety requirements only for the protection of personnel operating the public telecommunication system and for the protection of users from hazards that may arise from the connection of the apparatus, directly or indirectly, to such a system.

Private circuits run by British Telecommunications plc or Kingston-upon-Hull City Council are classified into the following groups:

- a) speechband circuits;
- b) baseband circuits;
- c) direct current circuits;
- d) telegraph circuits using SCVF signalling;
- e) wideband (FDM) circuits;
- f) programme circuits;
- g) digital circuits.

This Part of BS 6328 deals with direct current circuits. Other Parts of this standard cover apparatus for connection to other private circuits.

Some general information on British Telecommunications plc's direct current circuits is given in Appendix A. This information is also generally applicable to private circuits run by Kingston-upon-Hull City Council.

This standard has been presented for designation under Section 22(6) of the Telecommunications Act 1984. It is stipulated in that Section of the Act that apparatus within the scope of a designated standard may only be approved for connection to a telecommunication system if it complies with that standard, subject to such exceptions as may be determined by or under the designation. While special arrangements apply to the approval of “one-off” items of apparatus, type-approval for direct or “indirect” connection (see the third paragraph) to public telecommunication systems run by British Telecommunications plc or Kingston-upon-Hull City Council may only be given by the Secretary of State, the British Approvals Board for Telecommunications (BABT) or British Telecommunications plc.

The Director General of Telecommunications may also be authorized to grant approval, but neither he nor the Secretary of State will normally entertain applications for approval of apparatus. Such applications should be addressed in the first instance to the Director, British Approvals Board for Telecommunications, Mark House, The Green, 9-11 Queen’s Road, Hersham, Walton-on-Thames, Surrey, KT12 5NA.

The designation of this standard may stipulate variations of, or additions to, the requirements of this standard and may also set conditions that have to be complied with as regards the apparatus, or its connection or use. A copy of the designation will be included, when available, with all copies of this standard. Any further information on, or details of, the designation of this standard may be obtained from the Office of Telecommunications (OFTEL), Atlantic House, Holburn Viaduct, London EC1N 2HQ.

Some apparatus may incorporate facilities for which a mandatory standard is necessary, but for which no standard has yet been designated under the Telecommunications Act 1984. Other apparatus may incorporate innovative features not foreseen when the relevant standard was written and designated and for which that standard is not fully appropriate. The BABT can sometimes deal with these cases by writing a “Special Investigation Test Schedule” (SITS), which has the effect of stating requirements where there is no designated standard or of supplementing or varying the requirements in the application of the designated standard. Information on any relevant SITS may be obtained from the Director, BABT.

If this course is not possible, British Telecommunications plc may nevertheless type-approve apparatus for connection to its public communication systems or those run by Kingston-upon-Hull City Council, and to branch systems connected to any of these public systems.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations. In particular, attention is drawn to the Telecommunications Act 1984.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to vi, pages 1 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

