

**Draft standard to match to and work with
ETS 300 001/NET4**

**Apparatus with one or more
particular functions for
connection to public switched
telephone networks run by
certain public
telecommunications operators**

**Part 7. Specification for apparatus with
call barring facilities**

Committees responsible for this Published Document

The preparation of this Published Document was entrusted by the Telecommunications Standards Policy Committee (TCT/-) to Technical Committee TCT/2, upon which the following bodies were represented:

- British Approvals Board for Telecommunications
- British Facsimile Industry Consultative Committee
- British Radio and Electronic Equipment Manufacturers' Association
- British Telecommunications plc
- Cable and Wireless plc
- Communications Marketing and Servicing Association
- Computing Services Association
- Department of Trade and Industry (Telecommunications and Posts Division)
- EEA (the Electronics and Business Equipment Association)
- Electrical Installation Equipment Manufacturers' Association (BEAMA Ltd.)
- Engineering Equipment and Materials Users' Association
- Independent Broadcasting Authority
- Independent Telecommunications Suppliers' Association
- Institution of Electrical Engineers
- Kingston Communications (Hull) plc
- Mercury Communications Limited
- Mobile Radio Users' Association
- National Communications Union
- OFTEL (Office of Telecommunications)
- Telecommunication Engineering and Manufacturing Association
- Telecommunications Industry Association
- Telecommunications Managers' Association
- Telecommunications Users' Association (TUA)
- United Kingdom Offshore Operators' Association

Amendments issued since publication

Amd. No.		Text affected

This British Standard, having been prepared under the direction of the Telecommunications Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 31 October 1992

© BSI 1992

ISBN 0 580 21516 7

Preface

This Published Document, PD 6569 : Part 7, has been prepared during the run-up to the anticipated designation of NET4 in November 1992.

It has been prepared under the direction of the Telecommunications Standards Policy Committee.

The draft standard set out herein has been considered and approved by the TCT/2 Technical Committee.

This draft standard is intended to match to and work with ETS 300 001/NET4 and is derived from BS 6789 : Part 7 : 1988 as amended by PD 6566.

However, because of the shortness of available time, it has not been possible to pursue the normal BSI procedure of public comment, reconsideration and adjustment by the Technical Committee followed by correction and examination by the BSI's editorial department.

Consequently this Published Document may contain errors and lack the quality of presentation of the usual BSI Published Documents.

The readers and users of this Published Document are requested to be indulgent and to notify us of any errors, technical, editorial or otherwise, that might be encountered, or provide comments.

Contents	Page
Committees responsible	Inside front cover
Foreword	2
Specification	4
1 Scope	4
2 Definitions	4
3 General	5
4 Connection arrangements	5
5 Functional requirements	6
6 Electrical requirements	10
7 Marking	10
8 Information to be provided by the supplier	11
Appendixes	
A General conditions of test	13
B Call barring function tests	14
Figures	
1 Connection arrangements: discrete call barring function	7
2 Test circuit	15

**DRAFT STANDARD TO MATCH TO AND WORK WITH ETS 300 001/NET4
APPARATUS WITH ONE OR MORE PARTICULAR FUNCTIONS FOR CONNECTION TO PUBLIC
SWITCHED TELEPHONE NETWORKS RUN BY CERTAIN PUBLIC TELECOMMUNICATIONS
OPERATORS
PART 7. SPECIFICATION FOR APPARATUS WITH CALL BARRING FACILITIES**

Foreword

This Part of PD 6569 has been prepared under the direction of the Telecommunications Standards Committee. It forms one of a series of draft standards that is being produced following the commencement of liberalization in October 1981 of the supply of certain telecommunications apparatus within the United Kingdom and in anticipation of the designation of ETS 300 001/NET4 in November 1992.

This series of draft standards includes product specifications giving particular requirements for individual items of apparatus, together with standards covering general requirements for the connection of apparatus to the various public networks of the United Kingdom. At the present time, these networks include public switched telephone networks, telex networks, packet switching services and private circuits operated by British Telecommunications plc, Mercury Communications Limited and Kingston Communications (Hull) plc.

The requirements specified in the draft standards are intended to ensure that apparatus complying with them, when connected to public or branch telecommunication 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 public telecommunication systems and for the protection of users from hazards that may arise from the connection of the apparatus, directly or indirectly, to such systems.

The multi-Part standard to which this Part belongs is intended to specify all the additional functions and facilities that require specifying for approval purposes and that may be added to apparatus submitted for approval for use in conjunction with simple telephones or modems on public switched telephone networks. There are a large number of possible permutations in the choice of these facilities to form a particular configuration of apparatus. In order to present a coherent range of specifications that is appropriate to this variety of configurations, Part 1 of this standard is used as an essential initial specification and the remaining Parts each specify an additional facility. Part 1 requires the supplier to state which of these facilities is present on the apparatus submitted for approval so that it is clear which of the subsequent Parts are relevant.

This Part of PD 6569 specifies requirements for apparatus with call barring facilities. It is for use only in conjunction with Part 1.

This Part of PD 6569 is presented for designation under Section 22 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 conforms to that standard, subject to such exceptions as may be determined by or under the designation.

The designation of this Part of PD 6569 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), Export House, 50 Ludgate Hill, London EC4M 7JJ.

Application for approval of apparatus should be addressed in the first instance to the Director, British Approvals Board for Telecommunications (BABT), Claremont House, 34 Molesey Road, Hersham, Walton-on-Thames, Surrey KT12 4RQ.

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.

For the purposes of UK type approval, any references in this Part of BS 6789 to other designated standards apply only as far as the requirements in the standard being referred to have been designated.

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

Specification

1 Scope

This Part of PD 6569 specifies requirements for apparatus incorporating facilities for barring certain outgoing calls or classes of outgoing calls to a public switched telephone network (PSTN).

This Part of PD 6569 applies to apparatus where the decision to bar a call is undertaken either by means within the apparatus or by other means external to the apparatus.

Where the call barring function is not part of the apparatus generating the call attempt, this Part of PD 6569 applies in conjunction with the requirements for series apparatus in ETS 300 01/NET4.

This Part of PD 6569 applies in conjunction with PD 6569 : Part 1.

This Part of PD 6569 does not apply to mechanical attachments that restrict operation of the dial or keypad.

This Part of PD 6569 does not apply to apparatus for connection to shared service lines or as extensions to any form of private branch exchange (PBX) or between the Test Jack Frame (TJF) of a PBX and the PSTN lines of the PBX. This Part does however apply to apparatus intended for connection to applicable PBX ports described in BS 6450 : Part 4¹⁾.

The tests described in this Part of PD 6569 are type tests as defined in BS 4778 : Part 2 : 1979. The general conditions for the tests, both in the main text and in appendix B, are described in appendix A.

NOTE. The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this Part of PD 6569, the definitions given in PD 6569 : Part 1 apply, together with the following.

2.1 call barring. A facility that restricts dialled or keyed access to the PSTN.

2.2 discrete call barring function. A call barring function that is provided by apparatus that is not part of the apparatus generating the call attempt.

2.3 integral call barring function. A call barring function that is provided by the apparatus that is generating the call attempt.

¹⁾ In preparation.