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*European Standard (Telecommunications series)*

**Broadband Integrated Services Digital Network (B-ISDN);  
Digital Subscriber Signalling System No. two (DSS2) protocol;  
Support of ATM end system addressing format  
by Number identification supplementary services;  
Part 1: Protocol specification**

[ITU-T Recommendation Q.2951.9 (1999), modified]

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**Reference**

DEN/SPAN-05216-1

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**Keywords**

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## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN), and is now submitted for the Public Enquiry phase of the ETSI standards Two-step Approval Procedure.

The present document is part 1 of a multi-part EN covering the Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Support of ATM end system addressing format by Number identification supplementary services, as identified below:

- Part 1:** "Protocol specification [ITU-T Recommendation Q.2951.9 (1999), modified]";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification".
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

<b>Proposed national transposition dates</b>	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

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## Endorsement notice

The elements of ITU-T Recommendation Q.2951.9 (1999), apply, with the following modifications:

NOTE: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.

Page 1, subclause 9.1

Replace clause 9.1 by:

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## 1      Scope

The present document specifies the stage three of: Support of ATM end system addressing format by Number identification supplementary services for the pan-European Broadband Integrated Services Digital Network (B-ISDN) as provided at the T<sub>B</sub> reference point or coincident S<sub>B</sub> and T<sub>B</sub> reference points (as defined in ITU-T Recommendation I.413 [18]) by means of the Digital Subscriber Signalling System No. two (DSS2) protocol. Stage three identifies the protocol procedures and switching functions needed to support a telecommunications service (see CCITT Recommendation I.130 [10]).

In addition, the present document specifies the protocol requirements at the T<sub>B</sub> reference point where the service is provided to the user via a private B-ISDN.

NOTE 1: Procedures at the T<sub>B</sub> reference point, to support the access of a private B-ISDN to the public B-ISDN, are **not** explicitly identified in the present document, however, some procedures are applicable only at the T<sub>B</sub> reference point.

A basic telecommunications service is a fundamental type of service. It forms the basis on which supplementary services may be added.

NOTE 2: Specific requirements of individual B-ISDN connection-oriented basic telecommunication services are not covered by the present document.

Further parts of the present document provide the method of testing and detailed application specific requirements to determine conformance to the present document.

The present document is applicable to equipment supporting connection-oriented basic B-ISDN telecommunication services, to be attached at either side of a T<sub>B</sub> reference point or coincident S<sub>B</sub> and T<sub>B</sub> reference points when used as an access to the public B-ISDN.

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## 2      Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- ☐• References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- ☐• For a specific reference, subsequent revisions do not apply.
- ☐• For a non-specific reference, the latest version applies.
- ☐• A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

NOTE: Reference numbers less than [10] appear in the endorsed ITU-T recommendation.

[10] CCITT Recommendation I.130 (1988): "Method for the characterisation of telecommunication services supported by an ISDN and network capabilities of an ISDN".

- [11] EN 300 443: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control", version 2.
- [12] EN 300 661: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Direct Dialling In (DDI) supplementary service".
- [13] EN 300 662: "DSS2 Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Multiple Subscriber Number (MSN) supplementary service".
- [14] EN 300 663: "DSS2 Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Presentation (CLIP) supplementary service".
- [15] EN 300 664: " Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Calling Line Identification Restriction (CLIR) supplementary service".
- [16] EN 300 665: DSS2 Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Presentation (COLP) supplementary service.
- [17] EN 300 666: " Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connected Line Identification Restriction (COLR) supplementary service".
- [18] CCITT Recommendation I.413 (1993): "B-ISDN user-network interface".

Throughout the text of ITU-T Recommendation Q.2951.9

Replace references as shown in the following table.

Reference in ITU-T Recommendation Q.2951.9	Modified reference
ITU-T Recommendation Q.2931	ITU-T Recommendation Q.2931 as modified by EN 300 443 [11]
ITU-T Recommendation Q.2951.1	ITU-T Recommendation Q.2951.1 as modified by EN 300 661 [12]
ITU-T Recommendation Q.2951.2	ITU-T Recommendation Q.2951.2 as modified by EN 300 662 [13]
ITU-T Recommendation Q.2951.3	ITU-T Recommendation Q.2951.3 as modified by EN 300 663 [14]
ITU-T Recommendation Q.2951.4	ITU-T Recommendation Q.2951.4 as modified by EN 300 664 [15]
ITU-T Recommendation Q.2951.5	ITU-T Recommendation Q.2951.5 as modified by EN 300 665 [16]
ITU-T Recommendation Q.2951.6	ITU-T Recommendation Q.2951.6 as modified by EN 300 666 [17]
ITU-T Recommendation Q.2931, Amendment 4	ITU-T Recommendation Q.2931 as modified by EN 300 443 [11]

### 3 Definitions and abbreviations

The text of subclauses 9.3 and 9.4 of the endorsed recommendation applies. After the end of subclause 9.3, add the following:

**NOTE:** ITU-T Recommendations frequently use the term "connection". ETSI has decided to use the term "bearer" instead (i.e. if this term is used in the context of a bearer for a connection-oriented bearer service).

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## History

<b>Document history</b>		
V1.1.1	December 1999	Public Enquiry PE 200016: 1999-12-22 to 2000-04-21