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8 [[]HJbc`ca fYy`Y`n]bhY[f]fUb]a]gfcf]hj Ua]f`G8 Bk!`8 U`bg_Ugfcf]hj .`XU`bg_c
i_fYdUb`Y!`Dfctc_c`X[[]HJbY`bUfc b]y_Y`g[[bU]nUW`Y`yH`r`%fB GG`k!`%`XY.
GdYWZ_UW`Udfctc_c`U

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Teleaction service; Part 1: Protocol specification

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**Integrated Services Digital Network (ISDN);
Digital Subscriber Signalling System No. one (DSS1) protocol;
Teleaction service;
Part 1: Protocol specification**



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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document is part 1 of a multi-part EN covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) teleaction bearer service, as described below:

Part 1: "Protocol specification";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification".

In accordance with CCITT Recommendation I.130, the following three level structure is used to describe the bearer services as provided by European public telecommunications operators under the pan-European ISDN:

- Stage 1: is an overall service description, from the user's standpoint;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

The present document details the stage 3 aspects (signalling system protocols and switching functions) needed to support the teleaction bearer service. The stage 1 aspects are detailed in EN 301 131. The stage 2 aspects of the teleaction bearer service have not been specified.

National transposition dates	
Date of adoption of this EN:	12 March 1999
Date of latest announcement of this EN (doa):	30 June 1999
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 December 1999
Date of withdrawal of any conflicting National Standard (dow):	31 December 1999

1 Scope

The present document specifies the stage three of the Teleaction bearer service for the pan-european Integrated Services Digital Network (ISDN) as provided by the European public telecommunication operators at the T reference point or coincident S and T reference point (as defined in CCITT Recommendation I.411 [1]). Stage three identifies the protocol procedures and switching functions needed to support a telecommunications service (see CCITT Recommendation I.130 [2]).

The present document also provides guidance on the network functionality required to implement the Teleaction service (see annex B). The functional capabilities and information flows of such network entities are described. In the absence of a stage 2 description this information has been included in the present document. This does not preclude its future publication as a separate stage 2 standard.

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

The present document does not specify the additional requirements where the service is provided to the user via a telecommunications network that is not an ISDN, but does include interworking requirements of other networks with the public ISDN.

Teleaction is a service providing for reliable, low volume, data communication and allied processing to users. The Teleaction bearer service may be used for applications such as monitoring, indicating, controlling and verifying of remote events, operations, and measurements.

Charging principles are outside the scope of the present document.

Further parts of the present document specify the method of testing required to identify conformance to the present document.

The present document is applicable to equipment, supporting the Teleaction bearer service, to be attached at either side of a T reference point or coincident S or T reference point when used as an access to the public ISDN.

2 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.

[1] CCITT Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".

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

[3] CCITT Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".

[4] CCITT Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them".