

SLOVENSKI STANDARD SIST EN 300 899-1:2000

01-april-2000

8][]HUbc'ca fYÿ^Y'n']bhY[f]fUb]a]'ghcf]hj Ua]'fle68 BL'!'G][bU]nUNJ^Uýh'+'!
A YXgYVc'bc'XY`cj Ub^Y'Xfi [Y'fUn`]]WY'=G8 B!i dcfUVb]ý_Y[UXY`Ufle6I DL']b'X][]HUbY
bUfc b]ý_Y'g][bU]nUNJ^Y'ýh''%f8 GG%L'fbfYcV`]_cj Ubc'df]dcfc]`c'=HI !H'E'*--L

Integrated Services Digital Network (ISDN); Signalling System No.7; Interworking between ISDN User Part (ISUP) version 2 and Digital Subscriber Signalling System No. one (DSS1); Part 1: Protocol specification [ITU-T Recommendation Q.699, modified]

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Ta slovenski standard je istoveten z: EN 300 899-1 Version 1.1.2

ICS:

33.080 Digitalno omrežje z

integriranimi storitvami

(ISDN)

Integrated Services Digital

Network (ISDN)

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EN 300 899-1 V1.1.2 (1998-09)

European Standard (Telecommunications series)

Integrated Services Digital Network (ISDN);
Signalling System No.7;
Interworking between ISDN User Part (ISUP) version 2 and
Digital Subscriber Signalling System No. one (DSS1);
Part 1: Protocol specification

[ITU-T Recommendation Q.699, modified]

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European Telecommunications Standards Institute

Reference

DEN/SPS-01016 (8bo90idc.PDF)

Keywords

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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 standard covering the interworking between Integrated Services Digital Network (ISDN) User Part (ISUP) version 2 of Signalling System No.7 and Digital Subscriber Signalling System No. one (DSS1), as described below:

- Part 1: "Protocol specification [ITU-T Recommendation Q.699 Modified]";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification.

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National transposition dates		
Date of adoption of this EN:	6 March 1998	
Date of latest announcement of this EN (doa):	31 December 1998	
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 June 1999	
Date of withdrawal of any conflicting National Standard (dow):	30 June 1999	

Endorsement notice

The text of ITU-T Recommendation Q.699 was approved by ETSI as an EN with agreed modifications as given below.

- NOTE 1: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.
- NOTE 2: ITU-T Recommendation Q.699 was not yet published by ITU-T at the time of adoption of the present document. Publication by ETSI was delayed until ITU-T Q.699 became available.

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subclause 1.1

Replace subclause 1.1 by:

1.1 Scope

This first part of ETS 300 899 specifies the interworking between Signalling System No.7 ISDN User Part (ISUP) version 2 as specified in [19] to [36] and Digital Subscriber Signalling System No. one (DSS1) as specified in [1] to [18] and [37] to [39].

The interworking between subsequent versions of the ISUP signalling protocol (ISUP version 3, etc.) and the DSS1 protocol shall be in accordance with the requirements as contained in this ETS unless explicitly specified otherwise in subsequent versions of the ISUP signalling protocol. This also applies to new services specified in the DSS1 signalling protocol (e.g. the Selective Call Forwarding services) that make use of the existing procedures in the ISUP protocol

The interworking between the above signalling protocols occurs in an exchange with ISDN local exchange functionality and is specified in the context of a typical call in a pure ISDN or mixed ISDN/non-ISDN environment.

In case of contradictions between the mapping described in the present document and the requirements specified in the corresponding ISUP and DSS1 standards, the procedures in the ISUP and DSS1 standards apply.

subclause 1.2

Replace subclause 1.2 by:

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1.2 Normative references dards.iteh.ai)

References may be made to:

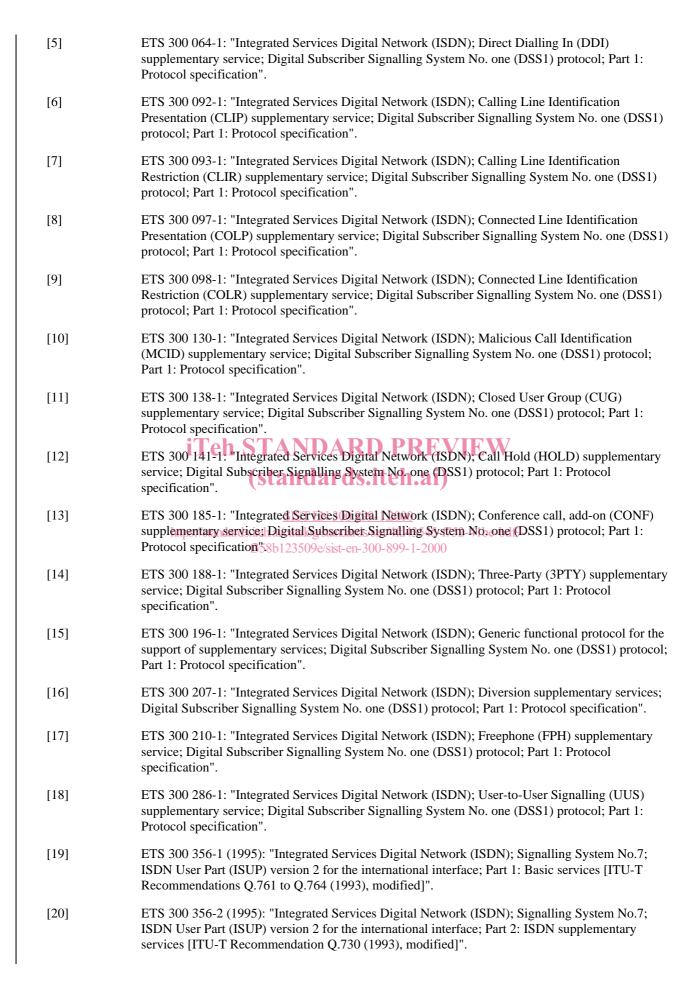
SIST EN 300 899-1:2000

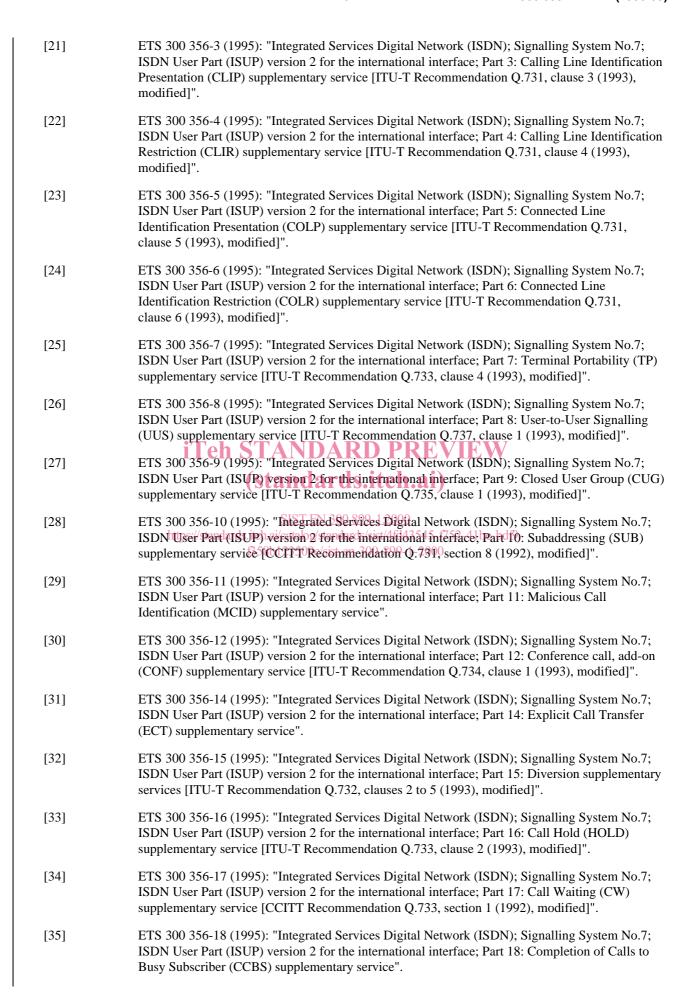
- a) specific versions of publications (identified by date of publication number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case 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]	ETS 300 052-1: "Integrated Services Digital Network (ISDN); Multiple Subscriber Number (MSN) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[2]	ETS 300 055-1: "Integrated Services Digital Network (ISDN); Terminal Portability (TP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[3]	ETS 300 058-1: "Integrated Services Digital Network (ISDN); Call Waiting (CW) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[4]	FTS 300 061-1: "Integrated Services Digital Network (ISDN): Subaddressing (SHR)

[4] ETS 300 061-1: "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".





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[36]	ETS 300 356-19 (1995): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP) version 2 for the international interface; Part 19: Three party (3PTY) supplementary service [ITU-T Recommendation Q.734, clause 2 (1993), modified]".
[37]	ETS 300 359-1: "Integrated Services Digital Network (ISDN); Completion of Calls to Busy Subscriber (CCBS) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[38]	ETS 300 369-1: "Integrated Services Digital Network (ISDN); Explicit Call Transfer (ECT) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
[39]	ETS 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
[40]	ETS 300 485: "Integrated Services Digital Network (ISDN); Definition and usage of cause and location in Digital Subscriber Signalling System No. one (DSS1) and Signalling System No.7 ISDN User Part (ISUP) [ITU-T Recommendation Q.850 (1993), modified]".

subclause 1.4

Add the following abbreviations to subclause 1.4 as appropriate:

CCBS	Completion of Calls to Busy Subscriber
ECT	Explicit Call Transfer
MCID	Explicit Call Transfer Malicious Call Identification DARD PREVIEW
FPH	Freephone
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Throughout the text of ITU-T Recommendation Q.699

Replace references as shown below.

Reference in ITU-T	Modified reference
Recommendation Q.699	
ITU-T Recommendation Q.731.3	ITU-T Recommendation Q.731.3 as modified by ETS 300 356-3 [21]
ITU-T Recommendation Q.731.4	ITU-T Recommendation Q.731.4 as modified by ETS 300 356-4 [22]
ITU-T Recommendation Q.731.5	ITU-T Recommendation Q.731.5 as modified by ETS 300 356-5 [23]
ITU-T Recommendation Q.731.6	ITU-T Recommendation Q.731.6 as modified by ETS 300 356-6 [24]
ITU-T Recommendation Q.732.2	ITU-T Recommendation Q.732.2 as modified by ETS 300 356-15 [32]
ITU-T Recommendation Q.732.3	ITU-T Recommendation Q.732.3 as modified by ETS 300 356-15 [32]
ITU-T Recommendation Q.732.4	ITU-T Recommendation Q.732.4 as modified by ETS 300 356-15 [32]
ITU-T Recommendation Q.732.5	ITU-T Recommendation Q.732.5 as modified by ETS 300 356-15 [32]
ITU-T Recommendation Q.733.2	ITU-T Recommendation Q.733.2 as modified by ETS 300 356-16 [33]
ITU-T Recommendation Q.733.4	ITU-T Recommendation Q.733.4 as modified by ETS 300 356-7 [25]
ITU-T Recommendation Q.734.1	ITU-T Recommendation Q.734.1 as modified by ETS 300 356-12 [30]
ITU-T Recommendation Q.734.2	ITU-T Recommendation Q.734.2 as modified by ETS 300 356-19 [36]
ITU-T Recommendation Q.735.1	ITU-T Recommendation Q.735.1 as modified by ETS 300 356-9 [27]
ITU-T Recommendation Q.737.1	ITU-T Recommendation Q.737.1 as modified by ETS 300 356-8 [26]
ITU-T Recommendation Q.761	ITU-T Recommendation Q.761 as modified by ETS 300 356-1 [19]
ITU-T Recommendation Q.762	ITU-T Recommendation Q.762 as modified by ETS 300 356-1 [19]
ITU-T Recommendation Q.763	ITU-T Recommendation Q.763 as modified by ETS 300 356-1 [19]
ITU-T Recommendation Q.764	ITU-T Recommendation Q.764 as modified by ETS 300 356-1 [19]
ITU-T Recommendation Q.850	ITU-T Recommendation Q.850 as modified by ETS 300 485 [40]
ITU-T Recommendation Q.931	ITU-T Recommendation Q.931 as modified by ETS 300 403-1 [39]
ITU-T Recommendation Q.932	ETS 300 196-1 [15]
ITU-T Recommendation Q.951.1	ETS 300 092-1 [6]
ITU-T Recommendation Q.951.2	ETS 300 093-1 [7] KD PKL V IL VV
ITU-T Recommendation Q.951.3	ETS, 300 097-1 [8]
ITU-T Recommendation Q.951.4	ETS 300 098A [9] IS. ITEN. 21)
ITU-T Recommendation Q.952	ETS 300 207-1 [16]
ITU-T Recommendation Q.953.2	ETS 300 141-1 [12] 800-1 2000
ITU-T Recommendation Q.954.1	ETS 300 185-1 [13] 379-1-2000
ITU-T Recommendation Q.954.2	ETS 300 188 1 141 143 300 300 1 3000
ITU-T Recommendation Q.957	ETS 300 286-15[18]n-300-899-1-2000

subclause 2.1.1.1, table 1/Q.699

Replace table 1/Q.699 by:

SETUP→		IAM→	
Bearer capability information element		Transmission medium	
Information transfer capability	Information transfer rate	requirement parameter	
Speech	(NOTE)	Speech	
3,1 kHz audio	(NOTE)	3,1 kHz audio	
	64 kbit/s unrestricted	64 kbit/s unrestricted	
unrestricted digital information	multirate: 2 × 64 kbit/s	2 × 64 kbit/s	
unrestricted digital information	multirate: 6 × 64 kbit/s	384 kbit/s	
with tones/announcements	multirate: 24 × 64 kbit/s	1 536 kbit/s	
	multirate: 30 × 64 kbit/s	1 920 kbit/s	

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subclause 2.1.1.1, Called party number, note

Delete the note.

subclause 2.1.1.1, MLPP precedence

Delete the item about MLPP precedence.

subclause 2.1.2.5

Insert the following note at the beginning of subclause 2.1.2.5:

NOTE: Depending on national regulations, some networks may define categories of subscribers that have the ability to override the presentation restriction and have the connected party's ISDN number, and subaddress information (if any) presented (e.g. the police). The ability to override the presentation restriction and the protocol to support such a service is a national matter.

subclause 2.1.2.5, table 27/Q.699, sixth row and note 1

Delete note 1 and modify the sixth row as follows:

connected	number i.e.		
option 1:			
Type of number	as received		
Numbering plan Presentation ind.	I I en N	TANDARD PRE	VIEW
Screening ind.	restricted as received	standards.iteh.ai)	
Number digits	no digit	presentation restricted SIST ENNOTE99-1:2000	(NOTE 2)
option 2:	https://standards.i	teh.ai/catalog/standards/sist/4fd43545-	752-41be-bdf9-
Type of number	unknown	358b123509e/sist-en-300-899-1-2000	
Numbering plan	unknown		
Presentation ind.	presentation restricted		
Screening ind.	network provided		
Number digits	no digit		

subclause 2.1.2.5, table 30/Q.699, note

Delete the note and all references to it.

subclause 2.1.2.12.1, table 41/Q.699, last row

Modify the last row as follows:

No message sent	100 1011 Conference floating
-----------------	---------------------------------

subclause 2.1.2.12.2, table 42/Q.699, last three rows

Modify the third row from the bottom ("Terminate the conference") as follows:

Terminate the	DISCONNECT	REL
conference	<u>BISCOTTILET</u>	NOL

Delete the two last rows ("Disconnect the served user" and "Call clearing by served user").

subclause 2.1.2.12.3, table 44/Q.699, last row

Delete the last row (receipt of the notification Conference floating in a NOTIFY message).

subclause 2.1.2.14, table 49/Q.699, note

Modify the note as follows:

NOTE: The above table provides examples of mapping. Another example of mapping is described in ETS

300 138-1 [11], annex C.

subclause 2.1.2.15.1, table 50/Q.699, note 1

Modify note 1 as follows:

NOTE 1: If there is no User-user information element in the SETUP message, the exchange should shall discard the user to user information possibly received afterwards from the access or from the ISUP side."

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subclause 2.1.2.15.2, table 54/Q.699

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Replace table 54/Q.699 by: https://standards.iteh.ai/catalog/standards/sist/4fd43545-f752-41be-bdf9-

DSS1 messages f358b123509e/sist-	n-300-899-1-2000 ISUP messages
←DISCONNECT	←REL
Cause information element Value as received Facility information element UserUserService return error component rejectedByUser	Cause parameter Value 69 (requested facility not implemented) or 29 (facility rejected) Diagnostic UUI indicators parameter's name
←DISCONNECT (NOTE)	←ANM, CON, or REL prior active phase
Cause information element Value 69 (requested facility not implemented) Facility information element	No rejection or acceptance indication is received in the ANM, CON or REL message and
UserUserService return error component rejectedByUser	No rejection or acceptance indication has already been received in a previous backward message (ACM or CPG)

NOTE - In case of receipt of an answer message (ANM) or a connect message (CON), a release message (REL) with the cause value No. 31 (normal unspecified) is sent to the remote exchange.

subclause 2.1.2.15.3, table 59/Q.699

Replace table 59/Q.699 by:

DSS1 messages	ISUP messages
←DISCONNECT	←REL
Cause information element Value as received Facility information element UserUserService return error component rejectedByUser	Cause parameter Value 69 (requested facility not implemented) or 29 (facility rejected) Diagnostic UUI indicators parameter's name
←DISCONNECT	←REL
Cause information element Value 69 (requested facility not implemented) Facility information element UserUserService return error component rejectedByUser	Cause parameter Value 88 (incompatible destination) Diagnostic UUI indicators parameter's name
←DISCONNECT (NOTE)	←ACM, CPG with an alerting indication or REL prior active phase
Cause information element Value 69 (requested facility not implemented) Facility information element	No rejection or acceptance indication is received in the ACM, CPG or REL message and
UserUserService return error component ANDA rejectedByUser	No rejection or acceptance indication has already been received in a previous backward message (ACM or CPG)

NOTE - In case of receipt of an address complete message (ACM) or a call progress message (CPG), a release message (REL) with the cause value No. 31 (*normal unspecified*) is sent to the remote exchange.

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