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Integrated Services Digital Network (ISDN); Telephony 7 kHz and videotelephony teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 2 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) telephony 7 kHz and videotelephony teleservices, as described below:

Part 1: "Protocol specification";

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: "TSS&TP specification for the network";

Part 6: "ATS and partial PIXIT proforma specification for the network".

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a given Open Systems Interconnection (OSI) protocol. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

Transposition dates	
Date of adoption of this ETS:	1 March 1996
Date of latest announcement of this ETS (doa):	31 May 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 November 1996
Date of withdrawal of any conflicting National Standard (dow):	30 November 1996

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1 Scope

This second part of ETS 300 267 is applicable to the stage three of the telephony 7 kHz and videotelephony teleservices for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators at the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [12]) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol. Stage three identifies the protocol procedures and switching functions needed to support a telecommunication service (see CCITT Recommendation I.130 [11]).

This ETS provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 protocol for the telephony 7 kHz and videotelephony teleservices and associated generic procedures as specified in ETS 300 267-1 [7] (stage three) in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [10].

The supplier of a protocol implementation which is claimed to conform to ETS 300 267-1 [7] is required to complete a copy of the PICS proforma provided in annex A of this ETS and is required to provide the information necessary to identify both the supplier and the implementation.

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1] ETS 300 092-1 (1992): "Integrated Services Digital Network (ISDN); Calling Line Identification Presentation (CLIP) supplementary service; Digital Susbscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE 1: ETS 300 092-1 (1992) was initially published as ETS 300 092 (1992).

[2] ETS 300 097-1 (1992): "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Susbscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE 2: ETS 300 097-1 (1992) was initially published as ETS 300 097 (1992).

[3] ETS 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

[4] ETS 300 143: "Integrated Services Digital Network (ISDN); Audiovisual services; Inband signalling procedures for terminals using digital channels up to 2 048 kbit/s".

[5] ETS 300 145: "Integrated Services Digital Network (ISDN); Audiovisual services; Videotelephony systems and terminal equipment operating on one or two B-channels".

[6] ETS 300 196-1 (1993): "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE 3: ETS 300 196-1 (1993) was initially published as ETS 300 196 (1993).

[7] ETS 300 267-1 (1994): "Integrated Services Digital Network (ISDN); Telephony 7 kHz and videotelephony teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

[8] ETS 300 281: "Integrated Services Digital Network (ISDN); Telephony 7 kHz teleservice; Terminal requirements necessary for end-to-end compatibility".

[9] ISO/IEC 9646-1: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[10] ISO/IEC 9646-7: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

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

[12] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".

3 Definitions

For the purposes of this ETS, the following definitions apply, in addition to those given in ETS 300 267-1 [7]:

Protocol Implementation Conformance Statement (PICS): A statement made by the supplier of an Open Systems Interconnection (OSI) implementation or system, stating which capabilities have been implemented for a given OSI protocol (see ISO/IEC 9646-1 [9]).

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which when completed for an OSI implementation or system becomes the PICS (see ISO/IEC 9646-1 [9]).

static conformance review: A review of the extent to which the static conformance requirements are met by the IUT, accomplished by comparing the PICS with the static conformance requirements expressed in the relevant standard(s) (see ISO/IEC 9646-1 [9]).

4 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

AND	Boolean "and"
C	Conditional requirement (to be observed if the relevant conditions apply)
DSS1	Digital Subscriber Signalling System No. one
IER	Information Elements Received
IET	Information Elements Transmitted
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
M	Mandatory requirement (to be observed in all cases)
MC	Major Capabilities
MR	Messages Received
MT	Messages Transmitted
N/A	Not applicable, not supported or the conditions for status are not met
No	not supported
NOT	Boolean "not"
O	Option (may be selected to suit the implementation, provided that any requirements applicable to the option are observed)
O.n	Options, but support required for either at least one or only one of the options in the group labelled with the same numeral "n"
OR	Boolean "or"
OSI	Open Systems Interconnection
PICS	Protocol Implementation Conformance Statement
R	Role
RL	Requirements List
SC	Subsidiary Capabilities
SCS	System Conformance Statement
SUT	System Under Test
Yes	supported

5 Conformance

A PICS proforma which conforms to this PICS proforma specification shall be technically equivalent to annex A, and shall preserve the numbering and ordering of the items in annex A.

A PICS which conforms to this PICS proforma specification shall:

a) describe an implementation which claims to conform to ETS 300 267-1 [7];
b) be a conforming ICS proforma which has been completed in accordance with the instructions for completion given in clause A.1;
c) include the information necessary to uniquely identify both the supplier and the implementation.

Annex A (normative): PICS proforma

A.1 Instructions for completing the PICS proforma

A.1.1 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

The SCS as defined in ISO/IEC 9646-1 [9] is a document supplied by the client or product supplier that summarizes which OSI International Standards, ITU-T (CCITT) Recommendations, ETSs or other standards are implemented and to which conformance is claimed. The PICS/SCS subclause should describe the relationship of the PICS to the SCS.

A.1.2 Global statement of conformance

If the answer to the statement in this subclause is "Yes", all subsequent subclauses should be completed to facilitate selection of test cases for optional functions.

If the answer to the statement in this subclause is "No", all subsequent subclauses should be completed, and all non-supported mandatory capabilities should be identified and explained.

A.1.3 Explanation of PICS proforma subclauses

The PICS proforma contains a Roles clause and thereafter is presented in two parts (for user and network) with the following subclauses, as required.

- major capabilities;
- subsidiary capabilities;
- protocol data unit support;
- protocol data unit parameters;
- timers;
- call states.

The User clause shall only be completed for user implementations (including private network implementations) while the Network clause shall only be completed for network implementations. The Roles subclause shall be completed for all implementations.

The relationship between this PICS proforma other related PICS proforma (e.g. the basic call PICS proforma) expressed in the Requirements List (RL) contained in annex B. This provides the additional restrictions placed on the related proforma (different conditions, different status, etc.).

A.1.4 Symbols, abbreviations and terms

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [10].

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 267-1 [7] describing the particular item. Note, however, that a reference merely indicates the place the core of a description of an item can be found. Any additional information contained in ETS 300 267-1 [7] has to be taken into account when making a statement about the conformance of that particular item.

The following common notations, defined in ISO/IEC 9646-7 [10], are used for the status column:

M	mandatory
O	optional
N/A	not applicable
O.<integer>	for mutually exclusive or selectable options from a set

The following common notations, defined in ISO/IEC 9646-7 [10], are used for the support column:

Y	for supported/implemented
N	for not supported/not implemented

A.2 Identification of the implementation

A.2.1 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

A.2.2 System Under Test (SUT) identification

SUT name:

.....

.....

Hardware configuration:

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.....

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Operating system:

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.....

A.2.3 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....

.....

.....

A.2.4 Client

Name:

.....

Address:

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Telephone number:

.....

Facsimile number:

.....

Additional information:

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A.2.5 PICS contact person

Name:

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Address:

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.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....

.....

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A.3 PICS/System Conformance Statement (SCS)

Provide the relationship of the PICS with the SCS for the system:

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A.4 Identification of the protocol

This PICS proforma applies to the following standards:

ETS 300 267-1 (1994): "Integrated Services Digital Network (ISDN); Telephony 7 kHz and videotelephony teleservices; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

A.5 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced standard?

[ ] **Yes**

[ ] **No**

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming. Explanations may be entered in the comments field at the bottom of each table or on attached pages.

In the tabulations which follow, all references are to ETS 300 267-1 [7] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Roles

Item	Major role Does the implementation...	Conditions for status	Status	Reference	Support
	Type of implementation				
R 1.1	the telephony 7 kHz teleservice?		O.1	6	[ ] Yes [ ] No
R 1.2	the videotelephony teleservice?		O.1	7	[ ] Yes [ ] No
R 1.3	the telephony 3,1 kHz teleservice?	R 1.1 OR R 1.2 NOT (R 1.1 OR R 1.2)	M O	6.1, 7.1	[ ] Yes [ ] No
R 1.4	the generic procedures of the ETS for the provision of other basic telecommunication services?		O.1	5	[ ] Yes [ ] No
R 2.1	support user requirements?		O.2	5, 6, 7	[ ]Yes [ ]No
R 2.2	support network requirements?		O.2	5, 6, 7	[ ]Yes [ ]No
R 3.1	support requirements at the coincident S and T reference point?	R 2.1 R 2.2	O.3 O.4	5.5, 6.5, 7.5	[ ]Yes [ ]No
R 3.2	support requirements for interworking with private ISDNs?	R 2.1 R 2.2	O.3 O.4	5.6, 6.6, 7.6	[ ]Yes [ ]No
R 4.1	support user requirements at the interface of the calling user?	R 2.1 NOT (R 2.1)	O.5 N/A	5, 6, 7	[ ]Yes [ ]No [ ]N/A
R 4.2	support user requirements at the interface of the called user?	R 2.1 NOT (R 2.1)	O.5 N/A	5, 6, 7	[ ]Yes [ ]No [ ]N/A
R 4.3	support network requirements at the interface of the calling user?	R 2.2 NOT (R 2.2)	M N/A	5, 6, 7	[ ]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the called user?	R 2.2 NOT (R 2.2)	M N/A	5, 6, 7	[ ]Yes [ ]No [ ]N/A
O.1 Support of at least one of these options is required. O.2 Support of one and only one of these options is required. O.3 Support of one and only one of these options is required. O.4 Support at least one of these options is required. O.5 Support at least one of these options is required.					
Comments:					

A.7 User

The tables provided in this clause need only to be completed for user implementations, where item R 2.1 in table A.1 is supported.

A.7.1 Major capabilities

Tables A.2 and A.3 need only to be completed for user implementations, where item R 3.1 in table A.1 is supported.

Table A. 2: Major capabilities at the coincident S and T reference point

Item	Major capability Does the implementation support...	Conditions for status	Status	Reference	Support
MC 1	**Capabilities at the coincident S and T reference point**				
MC 1.1	the originating user indicating bearer capability selection is allowed?	R 4.1 AND (R 1.1 OR R 1.2) R 4.1 AND R 1.4 NOT R 4.1	M O N/A	5.5.1, 6.5.1, 7.5.1	[ ] Yes [ ] No
MC 1.2	bearer capability selection at the destination side?	R 4.2 AND (R 1.1 OR R 1.2) R 4.2 AND R 1.4 NOT R 4.2	M O N/A	5.5.2, 6.5.2, 7.5.2	[ ] Yes [ ] No
MC 1.3	the originating user indicating high layer compatibility selection is allowed?	R 4.1 AND R 1.2 R 4.1 AND R 1.4 R 1.1 OR NOT R 4.1	M O N/A	5.5.3, 7.5.1	[ ] Yes [ ] No
MC 1.4	high layer compatibility selection at the destination side?	R 4.2 AND R 1.2 R 4.2 AND R 1.4 R 1.1 OR NOT R 4.1	M O N/A	5.5.4, 7.5.2	[ ] Yes [ ] No
MC 1.5	identification of the basic telecommunication service?		M	5.5.5	[ ] Yes [ ] No
MC 1.6	establishment of a second connection within the same call?	R 1.2 OR R 1.4 NOT (R 1.2 OR R 1.4)	O N/A	5.5.6, 7.5.1, 7.5.2	[ ] Yes [ ] No
Comments:					

Table A. 3: Major capabilities for interworking with private ISDNs at the T reference point

MC 2	**Capabilities for interworking with private ISDNs at the T reference point**				
MC 2.1	the originating user indicating bearer capability selection is allowed?	R 4.1 AND (R 1.1 OR R 1.2) R 4.1 AND R 1.4 NOT R 4.1	M O N/A	5.6.1, 6.6, 7.6	[ ] Yes [ ] No
MC 2.2	bearer capability selection at the destination side?	R 4.2 AND (R 1.1 OR R 1.2) R 4.2 AND R 1.4 NOT R 4.2	M O N/A	5.6.2, 6.6, 7.6	[ ] Yes [ ] No
MC 2.3	the originating user indicating high layer compatibility selection is allowed?	R 4.1 AND R 1.2 R 4.2 AND R 1.4 R 1.1 OR NOT R 4.1	M O N/A	5.6.3, 7.6	[ ] Yes [ ] No
MC 2.4	high layer compatibility selection at the destination side?	R 4.2 AND R 1.2 R 4.2 AND R 1.4 R 1.1 OR NOT R 4.1	M O N/A	5.6.4, 7.6	[ ] Yes [ ] No
MC 2.5	identification of the basic telecommunication service?		M	5.6.5	[ ] Yes [ ] No
Comments:					

A.7.2 Subsidiary capabilities

Table A.4: Subsidiary capabilities - user side

Item	Subsidiary capability Does the implementation...	Conditions for status	Status	Reference	Support
SC 1	**bearer capability selection at the destination side**				
SC 1.1	if fallback occurs at the terminal, or destination user beyond a private ISDN, indicate the resultant bearer capability in the CONNECT message?	(MC 5.2 OR MC 6.2) NOT (MC 1.2 OR MC 2.2)	M N/A	5.5.2.1, 5.6.2.1	[ ] Yes [ ] No [ ] N/A
SC 2	**high layer compatibility selection at the destination side**				
SC 2.1	if fallback occurs at the terminal, or destination user beyond a private ISDN, indicate the resultant high layer compatibility in the CONNECT message?	MC 2.4 OR MC 1.4 NOT (MC 2.4 OR MC 1.4)	M N/A	5.5.4.1, 5.6.4.1	[ ] Yes [ ] No
SC 3	**in-band protocol requirements**				
SC 3.1	support ETS 300 281 [8] clause 6 if the resultant service is telephony 7 kHz?	R 3.1 AND (R 1.1 OR R 1.2) NOT (R 3.1 AND (R 1.1 OR R 1.2))	M N/A	6.5.1, 6.5.2, 7.5.1, 7.5.2	[ ] Yes [ ] No
SC 3.2	support ETS 300 143 [4] clause 6 and ETS 300 145 [5] if the resultant service is videotelephony?	R 3.1 AND R 1.2 NOT (R 3.1 AND R 1.2)	M N/A	7.5.1, 7.5.2	[ ] Yes [ ] No
SC 4	**other basic call procedures**				
SC 4.1	support procedures at the originating side for the indication of calling identification?	R 4.1 AND (R 1.1 OR R 1.2) NOT (R 4.1 AND (R 1.1 OR R 1.2))	O N/A	6.5.1, 7.5.1, [1] 9.2	[ ] Yes [ ] No
SC 4.2	support procedures at the destination side for the indication of connected identification?	R 4.2 AND (R 1.1 OR R 1.2) NOT (R 4.2 AND (R 1.1 OR R 1.2))	O N/A	6.5.2, 7.5.2, [2] 9.2	[ ] Yes [ ] No
SC 4.3	support procedures for notification?	(R 1.1 OR R 1.2) R 1.4	M O	6.5.9, 7.5.9, [3] 5.9, [6] 9	[ ] Yes [ ] No
SC 4.4	support procedures for status request?	R 3.1 AND (R 1.1 OR R 1.2) R 3.1 AND R 1.4 NOT R3.1	M O N/A	6.5.10, 7.5.10, [6] 10.3	[ ] Yes [ ] No
Comments:					

A.7.3 Protocol data units

A.7.3.1 Messages Received (MR)

Table A.5: Messages received by the user

Item	Message Does the implementation support receipt of...	Conditions for status	Status	Reference	Support
MR 1	ALERTING?		O.6	5.3	[ ] Yes [ ] No
MR 2	CALL PROCEEDING?		O.6	5.3	[ ] Yes [ ] No
MR 3	CONNECT?		O.6	5.3	[ ] Yes [ ] No
MR 4	PROGRESS?		O.6	5.3	[ ] Yes [ ] No
MR 5	SETUP?		O.7	5.3	[ ] Yes [ ] No
O.6 Depends on the basic call option of making outgoing calls. O.7 Depends on the basic call option of accepting incoming calls.					
Comments:					

A.7.3.2 Messages Transmitted (MT)

Table A.6: Messages transmitted by the user

Item	Message Does the implementation support transmission of...	Conditions for status	Status	Reference	Support
MT 1	ALERTING?		O	5.3	[ ] Yes [ ] No
MT 2	CALL PROCEEDING?		O	5.3	[ ] Yes [ ] No
MT 3	CONNECT?		O	5.3	[ ] Yes [ ] No
MT 4	PROGRESS?		O	5.3	[ ] Yes [ ] No
MT 5	SETUP?		O.8	5.3	[ ] Yes [ ] No
O.8 Depends on the basic call option of making outgoing calls.					
Comments:					

A.7.4 Protocol data unit parameters

A.7.4.1 Information Elements Received (IER)

Table A.7: Information elements received by the user

Item	Information element Does the implementation support receipt of...	Conditions for status	Status	Reference	Support
IER 1	High layer compatibility information element?	R 1.1 or R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
Comments:					

A.7.4.2 Information Elements Transmitted (IET)

Table A.8: Information elements transmitted by the user

Item	Information element Does the implementation support transmission of...	Conditions for status	Status	Reference	Support
IET 1	High layer compatibility information element?	R 1.1 OR R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
IET 2	Progress indicator information element?	R 1.1 OR R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
Comments:					

A.7.5 Timers

No items requiring response.

A.7.6 Call states

No items requiring response.

A.8 Network

The tables provided in this clause need only to be completed for network implementations, where item R 2.2 in table A.1 is supported.

A.8.1 Major capabilities

Tables A.9 and A.10 need only to be completed for network implementations, where item R 3.1 in table A.1 is supported.

Table A.9: Major capabilities at the coincident S and T reference point

Item	Major capability Does the implementation support...	Conditions for status	Status	Reference	Support
MC 3	**Capabilities at the coincident S and T reference point**				
MC 3.1	the originating user indicating bearer capability selection is allowed?	R 4.3 AND (R 1.1 OR R 1.2) R 3.1 AND R 1.4 NOT R 4.3	M O N/A	5.5.1, 6.5.1, 7.5.1	[ ] Yes [ ] No
MC 3.2	bearer capability selection at the destination side?	R 4.4 AND R 3.1 AND (R 1.1 OR R 1.2) R 4.4 AND R 1.4 NOT R 4.3	M O N/A	5.5.2, 6.5.2, 7.5.2	[ ] Yes [ ] No
MC 3.3	the originating user indicating high layer compatibility selection is allowed?	R 4.3 AND R 1.2 R 4.3 AND R 1.4 R 1.1 OR NOT R 4.3	M O N/A	5.5.3, 7.5.1	[ ] Yes [ ] No
MC 3.4	high layer compatibility selection at the destination side?	R 4.4 AND R 1.2 R 4.4 AND R 1.4 R 1.1 OR NOT R 4.4	M O N/A	5.5.4, 7.5.2	[ ] Yes [ ] No
MC 3.5	identification of the basic telecommunication service?		M	5.5.5	[ ] Yes [ ] No
MC 3.6	establishment of a second connection within the same call?	(R 1.2 OR R 1.4) NOT R 1.2 OR R 1.4	O N/A	5.5.6, 7.5.1, 7.5.2	[ ] Yes [ ] No
Comments:					

Table A.10: Major capabilities for interworking with private ISDNs at the T reference point

Item	Major capability Does the implementation support...	Conditions for status	Status	Reference	Support
MC 4	**Capabilities for interworking with private ISDNs at the T reference point**				
MC 4.1	the originating user indicating bearer capability selection is allowed?	R 4.3 AND (R 1.1 OR R 1.2) R4.3 AND R 1.4 NOT R 4.3	M O N/A	5.6.1, 6.6, 7.6	[ ] Yes [ ] No
MC 4.2	bearer capability selection at the destination side?	R 4.4 AND (R 1.1 OR R 1.2) R 4.4 AND R 1.4 NOT R 4.4	M O N/A	5.6.2, 6.6, 7.6	[ ] Yes [ ] No
MC 4.3	the originating user indicating high layer compatibility selection is allowed?	R 4.3 AND R 1.2 R 4.3 AND R 1.4 NOT R 4.3	M O N/A	5.6.3, 7.6	[ ] Yes [ ] No
MC 4.4	high layer compatibility selection at the destination side?	R 4.4 AND R 1.2 R 4.4 AND R 1.4 R 1.1 OR NOT R 4.4	M O N/A	5.6.4, 7.6	[ ] Yes [ ] No
MC 4.5	identification of the basic telecommunication service?		M	5.6.5	[ ] Yes [ ] No
Comments:					

A.8.2 Subsidiary capabilities

Table A.11: Subsidiary capabilities - network side

Item	Subsidiary capability Does the implementation...	Conditions for status	Status	Reference	Support
SC 5	**in-band protocol requirements**				
SC 5.1	provide in-band tones and announcements in G.711 A-law if the bearer capability is unrestricted digital information with tones and announcements?	R 1.1 OR R 1.2 R 1.4	M O	5.5.7, 5.6.7	[ ] Yes [ ] No
SC 6	**other basic call procedures**				
SC 6.1	support procedures at the originating side for the indication of calling identification?	R 4.3 AND (R 1.1 OR R 1.2) R 4.3 AND R 1.4	M O	6.5.1, 7.5.1, [1] 9.2	[ ] Yes [ ] No
SC 6.2	support procedures at the destination side for the indication of connected identification?	R 4.4 AND (R 1.1 OR R 1.2) R 4.4 AND R 1.4	M O	6.5.2, 7.5.2, [2] 9.2	[ ] Yes [ ] No
SC 6.3	support procedures for notification?	R 1.1 OR R 1.2 R 1.4	M O	6.5.9, 7.5.9, [3] 5.9, [6] 9	[ ] Yes [ ] No
SC 6.4	support procedures for status request?	R 3.1 AND (R 1.1 OR R 1.2) R 3.1 AND R 1.4 NOT R 3.1	M O N/A	6.5.10, 7.5.10, [6] 10.3	[ ] Yes [ ] No
Comments:					

A.8.3 Protocol data units

A.8.3.1 Messages Received (MR)

Table A.12: Messages received by the network

Item	Message Does the implementation support receipt of...	Conditions for status	Status	Reference	Support
MR 6	ALERTING?		M	5.3	[ ] Yes [ ] No
MR 7	CALL PROCEEDING?		M	5.3	[ ] Yes [ ] No
MR 8	CONNECT?		M	5.3	[ ] Yes [ ] No
MR 9	PROGRESS?		M	5.3	[ ] Yes [ ] No
MR 10	SETUP?		M	5.3	[ ] Yes [ ] No
Comments:					

A.8.3.2 Messages Transmitted (MT)

Table A.13: Messages transmitted by the network

Item	Message Does the implementation support transmission of...	Conditions for status	Status	Reference	Support
MT 6	ALERTING?		M	5.3	[ ] Yes [ ] No
MT 7	CALL PROCEEDING?		M	5.3	[ ] Yes [ ] No
MT 8	CONNECT?		M	5.3	[ ] Yes [ ] No
MT 9	PROGRESS?		M	5.3	[ ] Yes [ ] No
MT 10	SETUP?		M	5.3	[ ] Yes [ ] No
Comments:					

A.8.4 Protocol data unit parameters

A.8.4.1 Information Elements Received (IER)

Table A.14: Information elements received by the network

Item	Information element Does the implementation support receipt of...	Conditions for status	Status	Reference	Support
IER 2	Bearer capability information element?		M	5.3	[ ] Yes [ ] No
IER 3	Calling party number information element?		M	5.3	[ ] Yes [ ] No
IER 4	Calling party subaddress information element?		M	5.3	[ ] Yes [ ] No
IER 5	Connected number information element?		M	5.3	[ ] Yes [ ] No
IER 6	Connected subaddress information element?		M	5.3	[ ] Yes [ ] No
IER 7	High layer compatibility information element?	R 1.1 or R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
IER 8	Progress indicator information element?	R 1.1 OR R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
Comments:					

A.8.4.2 Information Elements Transmitted (IET)

Table A.15: Information elements transmitted by the network

Item	Information element Does the implementation support transmission of...	Conditions for status	Status	Reference	Support
IET 3	Bearer capability information element?		M	5.3	[ ] Yes [ ] No
IET 4	High layer compatibility information element?	R 1.1 OR R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
IET 5	Progress indicator information element?	R 1.1 OR R 1.2 R 1.4	M O	5.3	[ ] Yes [ ] No
Comments:					

A.8.5 Timers

No items requiring response.

A.8.6 Call states

No items requiring response.

Annex B (normative): Requirements list

As a standard practice for DSS1 protocols, annex B repeats in the form of a requirements list some items of the basic call and generic functional protocol PICS proforma required for support of the individual protocol. In the specific case of the Telephony 7 kHz and videotelephony teleservices protocol, no additional requirements have been identified for inclusion in this annex.

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