openreach

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Suppliers' Information Note

For The Openreach Network

Protocol Implementation Conformance Statements (PICS) for ISDN 2e and ISDN 30e: Digital Select Services - Subaddressing

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1. Introduction

This document states the capabilities and options of the DSS1 Layer 3 protocol for Subaddressing (SUB) Digital Select Service on the basic and primary rate access interface which has been implemented in the ISDN 2e and ISDN 30e network respectively.

The ETSI protocol specification used as a basis for this PICS proforma is ETS 300 061-1 [1].

The ETSI PICS proforma used as a basis for this PICS is ETS 300 061-2 [2].

2. References

1	ETS 300 061-1 (1991)	Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification
2	ETS 300 061-2 (1995)	Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification
3	ETS 300 102-1	Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".

For further information or copies of referenced sources, please see document sources at https://www.openreach.co.uk/orpg/home/helpandsupport/sins/sins.do

3. Protocol Implemenation Conformance Statement (PICS)

Using the relevant standard (see ref. 2), the PICS is given below. The section and table numbering as used in the ETSI standard has been maintained. Only those parts of the standard relevant to the network implementation are given. For guidance on the abbreviations and meaning of the completed PICS tables, see SIN 370, Part A.

Unless stated otherwise, the standard referred to in the **reference** column is the ETS given in reference 1. For glossary of terms used, see the referenced standards [1, 2].

A.4 Identification of the protocol

This PICS proforma applies to the following standard:
ETS 300 061-1 (1991): "Integrated Services Digital Network (ISDN); Subaddressing (SUB) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 061-1 (1991) was initially published as ETS 300 061 (1991).

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 300 061-1 [1] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Type of implementation

Item	Major role: Does the implementation...	Conditions for status	Status	Reference	Support System X
	Type of implementation				
R 1	not used				
R 2.1	support user requirements?		O.1	9, 10	[ ]Yes [✓]No
R 2.2	support network requirements?		O.1	9, 10	[✓]Yes [ ]No
R 3.1	support requirements at the coincident S and T reference point?		O.2	9	[✓]Yes [ ]No
R 3.2	support requirements for interworking with private ISDNs at the T reference point?		O.2	10	[✓]Yes [ ]No
R 4.1	support user requirements at the interface of the served user?	R 2.1 NOT R 2.1	M N/A	9, 10	[ ]Yes [ ]No [✓]N/A
R 4.2	support user requirements at the interface of the calling user?		N/A		N/A
R 4.3	support network requirements at the interface of the served user?	R 2.2 NOT R 2.2	M N/A	9, 10	[✓]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the calling user?		N/A		N/A
O.1 O.2	Support of one and only one of these options is required. Support of 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.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

Table A.3: Major capabilities - network

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 2.1	the delivery of Called party subaddress information element when the SUB supplementary service is provided?		M	9.2.	[✓]Yes [ ]No
MC 2.2	the omission of the Called party subaddress information element when the SUB supplementary service is not provided?		M	9.2	[✓]Yes [ ]No
MC 2.3	the maximum size (20 octets) of subaddress information?		M	5, [3] 4.5	[✓]Yes [ ]No
Comments:					

A.8.2 Subsidiary capabilities

No items requiring response.

A.8.3 Protocol data units

No items requiring response.

A.8.4 Protocol data unit parameters

No items requiring response.

A.8.5 Timers

No items requiring response.

A.8.6 Call states

No items requiring response.

4. History

Issue 1	Date	First Issue
Issue 1.1	June 2014	Change SINet site references from http://www.sinet.bt.com to http://www.btplc.com/sinet/
Issue 1.2	August 2020	Changes to branding, from BT to Openreach including changes to reflect new Openreach SIN site and Openreach SIN email address.
Issue 1.2	August 2021	SIN Annual Review – no changes made, issue remains the same