
Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) - Digital Subscriber Signalling System No. two (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7) - Call Control in a Separated Call and Bearer Control Environment - Part 2: Protocol Implementation Conformance Statement (PICS) Proforma Specification



Standardizing Information and Communication Systems

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Brief History

This Standard is one of a series of ECMA Standards defining services and signalling protocols applicable to Broadband Private Integrated Services Networks (B-PISNs). The series uses B-ISDN concepts as developed by ITU-T and conforms to the framework of International Standards for Open Systems Interconnection as defined by ISO/IEC.

This Standard has been produced by ECMA TC32-TG15 in collaboration with ETSI Technical Committee Signalling Protocols and Switching (SPS) under ETSI work item DEN/SPS-05132-2.

The Standard is part 2 of a multi-part standard covering the Digital Subscriber Signalling System No. 2 (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7) protocol specification for the Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) Call Control, 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";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

Part 3 and part 4 will only be produced by ETSI as EN 302 092-3 and EN 302 092-4 respectively.

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).

The Standard is based upon the practical experience of ECMA member companies and the results of their active and continuous participation in the work of ISO/IEC JTC1, ITU-T, ETSI and other international and national standardization bodies. It represents a pragmatic and widely based consensus.

This ECMA Standard is technically aligned with EN 302 092-2 published by ETSI in November 1999.

This Standard has been adopted by the ECMA General Assembly of December 1999.

Table of contents

1	Scope	1
2	Conformance	1
3	References	1
4	Definitions	1
4.1	Protocol Implementation Conformance Statement (PICS)	1
4.2	PICS proforma	2
5	Abbreviations	2
Annex A - PICS proforma for ECMA-294		3
Annex B - Requirements		13
Annex C - Bibliography		15

1 Scope

This Standard is applicable to the Call Control protocol at the Q_B , S_B , T_B and co-incident S_B/T_B reference points within, between and at the access to Broadband Private Integrated Services Networks and within, between and at the access to public Broadband Integrated Services Digital Networks.

This Standard provides the Protocol Implementation Conformance Statement (PICS) proforma for the Call Control protocol as specified in ECMA-294 in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7.

2 Conformance

If it claims to conform to this Standard, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to this Standard shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

3 References

The following documents contain provisions which, through reference in this text, constitute provisions of this Standard.

- 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.

ECMA-254	Broadband Private Integrated Services Network (B-PISN) - Inter-Exchange Signalling Protocol - Generic Functional Protocol (B-QSIG-GF)
ECMA-294	Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) - Digital Subscriber Signalling System No. two (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7) - Call Control in a Separated Call and Bearer Control Environment - Part 1: Protocol Specification
ISO/IEC 9646-1	Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts
ISO/IEC 9646-7	Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements
ETS 300 796-1	Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Generic functional protocol; Core aspects; Part 1: Protocol specification [ITU-T Rec. Q.2932.1 (1996), modified]

4 Definitions

For the purposes of this Standard, the following definitions apply, in addition to those given in ECMA-294.

4.1 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).