INTERNATIONAL STANDARD

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Information technology — Telecommunications and information exchange between systems — Broadband Private Integrated Services Network — Inter-exchange signalling protocol — Signalling ATM adaptation layer

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Réseau privé à large bande à intégration de services — Protocole de signalisation d'échange — Couche d'adaptation de signalisation ATM

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 13246 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

Annex A forms an integral part of this International Standard. Annexes B and C are for information only.

Introduction

This International Standard is one of a series of International 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 particular International Standard specifies the Signalling ATM Adaptation Layer (SAAL) protocol for use at the Q reference point (B-QSIG SAAL).

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1 Scope

This International Standard specifies the signalling ATM adaptation layer (SAAL) protocol used at the interface between Broadband PINXs and between Broadband PISNs within the framework of the B-QSIG signalling system protocol family. The B-QSIG SAAL uses the functions provided by the ATM layer, and provides the services required by the B-QSIG Layer 3 signalling protocols.

2 Conformance

In order to conform to this International Standard, a PINX shall satisfy requirements identified in the Protocol Implementation Conformance Statement (PICS) in annex A.

3 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 9646-1:1994, *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 1: General concepts.*

ISO/IEC 9646-7:1995, *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 7: Implementation Conformance Statements.*

ITU-T Rec. I.321 (1991), *B-ISDN Protocol Reference Model and Its Application.*

ITU-T Rec. I.361 (1993), *B-ISDN ATM Layer Specification.*

ITU-T Rec. I.362 (1993), *B-ISDN ATM Adaptation Layer (AAL) Functional Description.*

ITU-T Rec. I.363.5 (1996), *B-ISDN ATM Adaptation Layer (AAL) Specification — Part 5: AAL Type 5.*

ITU-T Rec. I.371 (1996), *Traffic control and congestion control in B-ISDN.*

ITU-T Rec. Q.2100 (1994), *B-ISDN Signalling ATM Adaptation Layer Overview Description.*

ITU-T Rec. Q.2110 (1994), *B-ISDN ATM Adaptation Layer — Service Specific Connection Oriented Protocol (SSCOP).*

ITU-T Rec. Q.2130 (1994), *B-ISDN Signalling ATM Adaptation Layer — Service Specific Coordination Function for Support of Signalling at the User-to-Network Interface (SSCF at UNI).*