

AS/NZS 13241:1999
ISO/IEC 13241:1997

AS/NZS 13241

Australian/New Zealand Standard™

**Information technology—
Telecommunications and
information exchange between
systems—Private integrated
services network—Inter-exchange
signalling protocol—Route
restriction class additional
network feature**

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Australian Telecommunications User Group
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Optus Communications, Australia
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Information technology— Telecommunications and information exchange between systems—Private integrated services network—Inter-exchange signalling protocol—Route restriction class additional network feature

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee IT/16, Private Telecommunications Networking.

This Standard is identical with, and has been reproduced from, ISO/IEC 13241:1997, *Information technology—Telecommunications and information exchange between systems—Private Integrated Services Network—Inter-exchange signalling protocol—Route Restriction Class additional network feature*.

The objective of this Standard is to provide private integrated services network (PISN) designers and users with the specification for the signalling protocol for use at the Q reference point between PISN exchanges, in order to allow calls to access facilities that are within an allowable restriction range during the call establishment phase worldwide.

The Standard is one of a series of emerging ISO/IEC Standards applicable to private integrated services networking. The series uses the ISDN concepts as developed by ITU-T and is also within the framework of Standards for Open Systems Interconnection (OSI) as defined by ISO/IEC JTC 1.

The number of this Standard is not reproduced on each page; its identity is shown only on the cover and title page.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the annex to which they apply. A 'normative' annex is an integral part of a Standard, whereas an 'informative' annex is only for information and guidance.

For the purpose of this Standard, the ISO/IEC text should be modified as follows:

- (a) The words 'this Australian/New Zealand Standard' should replace the words 'this International Standard' wherever they appear.
- (b) References to International Standards should be replaced by references, where appropriate, to the following Australian/New Zealand Standards:

<i>Reference to International Standard or other publication</i>	<i>Australian/New Zealand Standard</i>
ISO/IEC	AS/NZS
11571 Information technology— Telecommunications and information exchange between systems— Numbering and sub-addressing in private integrated services networks	4134 Information technology— Telecommunications and information exchange between systems— Numbering and sub-addressing in private integrated services networks
11572 Information technology— Telecommunications and information exchange between systems— Private Integrated Services Network— Circuit mode bearer services— Inter-exchange signalling procedures and protocol	11572 Information technology— Telecommunications and information exchange between systems— Private integrated services network— Circuit mode bearer services— Inter-exchange signalling procedures and protocol
11574 Information technology— Telecommunications and information exchange between systems— Private Integrated Services Network— Circuit-mode 64 kbit/s bearer services— Service description, functional capabilities and information flows	4135 Information technology— Telecommunications and information exchange between systems— Private integrated services network— Circuit-mode 64 kbit/s bearer services— Service description functional capabilities and information flows

ISO/IEC	AS/NZS
11579 Information technology— Telecommunications and information exchange between systems— Private Integrated Services Network	4136 Information technology— Telecommunications and information exchange between systems— Private integrated services network
11579-1 Part 1: Reference configuration for PISN exchanges (PINX)	4136.1 Part 1: Reference configuration for PISN exchanges (PINX)
11582 Information technology— Telecommunications and information exchange between systems— Private Integrated Services Network— Generic functional protocol for the support of supplementary services— Inter-exchange signalling procedures and protocol	4239 Information technology— Telecommunications and information exchange between systems— Private integrated services network— Generic functional protocol for the support of supplementary services— Inter-exchange signalling procedures and protocol
13242 Information technology— Telecommunications and information exchange between systems— Private Integrated Services Network— Specification, functional model and information flows—Route Restriction Class additional network feature	13242 Information technology— Telecommunications and information exchange between systems— Private integrated services network— Specification, functional model and information flows—Route restriction class additional network feature
CCITT	
Rec. I.112 Vocabulary of Terms for ISDNs	—
Rec. I.130 Method for the characterization of telecommunication services supported by an ISDN and network capabilities of an ISDN	—
Rec. I.210 Principles of telecommunication services supported by an ISDN and the means to describe them	—
Rec. Z.100 Specification and Description Language	—

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AUSTRALIAN/NEW ZEALAND STANDARD

Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Inter-exchange signalling protocol — Route Restriction Class additional network feature**1 Scope**

This International Standard specifies the signalling protocol for the support of the Route Restriction Class (RRC) additional network feature (ANF-RRC) at the Q reference point between Private Integrated Services Network Exchanges (PINXs) connected together within a Private Integrated Services Network (PISN).

ANF-RRC is a feature which applies in the establishment phase of a call, allowing that call to access facilities that are within an allowable restriction range.

The Q reference point is defined in ISO/IEC 11579-1.

Service specifications are produced in three stages and according to the method specified in CCITT Recommendation I.130. This International Standard contains the stage 3 specification for the Q reference point and satisfies the requirements identified by the stage 1 and stage 2 specifications in ISO/IEC 13242.

The signalling protocol for ANF-RRC operates on top of the signalling protocol for basic circuit switched call control, as specified in ISO/IEC 11572, and uses certain aspects of the generic procedures for the control of supplementary services specified in ISO/IEC 11582.

This International Standard also specifies additional signalling protocol requirements for the support of interactions at the Q reference point between ANF-RRC and other supplementary services and ANFs.

This International Standard is applicable to PINXs which can interconnect to form a PISN.

2 Conformance

In order to conform to this International Standard, a PINX shall satisfy the requirements identified in the Protocol Implementation Conformance Statement (PICS) proforma 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 11571:1994, *Information technology — Telecommunications and information exchange between systems — Numbering and sub-addressing in private integrated services networks*.

ISO/IEC 11572:1997, *Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Circuit mode bearer services — Inter-exchange signalling procedures and protocol*.

ISO/IEC 11574:1994, *Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Circuit-mode 64 kbit/s bearer services — Service description, functional capabilities and information flows*.

ISO/IEC 11579-1:1994, *Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Part 1: Reference configuration for PISN Exchanges (PINX)*.