

TECHNICAL REPORT

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Information technology — Telecommunications and information exchange between systems — PISN mobility-general principles and services aspects

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Principes de mobilité générale du PISN et
aspects de service*



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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.

The main task of technical committees is to prepare International Standards, but in exceptional circumstances a technical committee may propose the publication of a Technical Report of one of the following types:

- type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;
- type 2, when the subject is still under technical development or where for any other reason there is the future but not immediate possibility of an agreement on an International Standard;
- type 3, when a technical committee has collected data of a different kind from that which is normally published as an International Standard (“state of the art”, for example).

Technical Reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical Reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

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Information technology — Telecommunications and information exchange between systems — PISN mobility-general principles and services aspects

1 Scope

This Technical Report (TR) analyses the requirements for the standardization of networking functions to support mobility within one or more Private Integrated Network Exchanges (PINXs) of a Private Integrated Services Network (PISN). It covers both Wireless Terminal Mobility (WTM) and Private Personal Mobility (PPM).

WTM is a function that allows users of Wireless Terminals (WT) to make and receive calls at any compatible radio access within the network. Standards for WTM should be independent of the access technology used to support the WTs.

PPM enables users of a PISN to register at any suitable terminal (wired or wireless) within the network for the making and/or receiving of calls.

This Technical Report covers the following subjects for both WTM and PPM:

- Registration procedures;
- Procedures for incoming and outgoing calls;
- Access security procedures (identification and authentication);
- Requirements for numbering, addressing and signalling;
- Requirements for management, administration and operation.

2 References

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ISO/IEC 11572:1994, *Information technology — Telecommunications and information exchange between systems — Private Integrated Services Network — Circuit mode bearer services — Inter-exchange signalling procedures and protocol.*

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