



ATIS-0700711.1999(\$2019)

Number Portability for PCS 1900 Short Message Service and
Other Services

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American National Standard
for Telecommunications –
Number Portability for PCS 1900
Short Message Service
and other Services

Secretariat
Alliance for Telecommunications Industry Solutions

Approved May 27, 1999

American National Standards Institute, Inc.

American National Standard

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Foreword (This foreword is not part of American National Standard T1.711-1999.)

This document describes network modifications needed to facilitate the operation of PCS 1900 services in the Number Portability environment.

This standard is intended for use in conjunction with the following American National Standards for Telecommunications:

- ANSI T1.708-1998, *Telecommunications - PCS 1900 Service Provider Number Portability*
- ANSI T1.112-1996, *Telecommunications - Signalling System Number 7 (SS7) - Signalling Connection Control Part (SCCP)*

Suggestions for improvement of this standard are welcome. They should be sent to Alliance for Telecommunications Industry Solutions, 1200 G Street, NW, Suite 500, Washington, DC 20005.

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American National Standard
for Telecommunications –

Number Portability for PCS 1900 Short Message Service and other Services

1 Scope

This standard defines the PCS 1900 requirements needed to support Short Message Service and other Services in a Number Portability environment. In this document, the phrase "Number Portability environment" refers to an environment where Service Provider Number Portability is active in the PCS 1900 networks. The phrase "Number Portability" and "Service Provider Number Portability" is used interchangeably throughout this document.

This standard ensures that Short Message Service Point-to-Point (SMS-PP) works for all subscribers in a PCS 1900 Number Portability environment regardless of whether the subscriber has ported or not.

The impact of Number Portability on Customized Applications for Mobile network Enhanced Logic (CAMEL), General Packet Radio Service (GPRS), number pooling, optimal routing, and roaming is outside the scope of this document. In addition, interworking with equivalent services in non-PCS 1900 networks is also outside the scope of this document.

2 Normative References

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

ANSI J-STD-023-1996, *Telecommunications – PCN to PCN Intersystem Operations Based on PCS 1900**

ANSI T1.111-1996, *Telecommunications - Signalling System Number 7 (SS7) - Message Transfer Part (MTP)**

ANSI T1.112-1996, *Telecommunications – Signalling System Number 7 (SS7) Signalling Connection Control Part (SCCP)**

NOTE - Translation Types 10 and 14 will be published in the next revision of ANSI T1.112

ANSI T1.641-1995, *Telecommunications – Calling Name Identification Presentation**

ANSI T1.708-1998, *Telecommunications – PCS 1900 Service Provider Number Portability**

ATIS Technical Requirements for Number Portability – Database and Global Title Translation, 1998¹⁾

GSM 03.96 (1998), *Digital Cellular Telecommunications System (phase 2+), Name Identification Supplementary Service – Stage 2*

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