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ATIS-1000110.1999(S2020)

**Signalling System Number 7 (SS7) –
General Information**

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ATIS-1000110.1999(S2020), Signaling System Number 7 (SS7) – General Information

Is an American National Standard developed by the **Signaling, Architecture, and Control (SAC)** Subcommittee under the **ATIS Packet Technologies and Systems Committee (PTSC)**.

Published by

Alliance for Telecommunications Industry Solutions
1200 G Street, NW, Suite 500
Washington, DC 20005

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Chapter T1.110.1

Overview

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Chapter T1.110.1 OVERVIEW

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American National Standard for Telecommunications –

Signalling System No. 7 (SS7) – General Information

Chapter T1.110.1

Overview

1 Scope, Purpose and Application

ANSI T1.110-1999 was originally based on the 1988 Blue Book specification of Signalling System No. 7 (SS#7) for international use issued by the CCITT Study Group XI (Vol. VI Fascicles VI.7 and VI.8) and is intended to be generally compatible with that standard and its successors. It has been appropriately modified for use within and between U.S. networks to meet the anticipated needs and applications of those entities. In general, these modifications fall into two categories:

- (1) The specification of options designated by the ITU-T (formerly CCITT) for national use;
- (2) Extensions to the 1992 protocol to provide for new applications of the SS7 protocol.

This is in accordance with current and projected ITU-T activity.

The objectives of the implementation of SS7 in U.S. networks go beyond basic circuit switched call control signalling, and place major emphasis on the support of advanced capabilities such as signalling for Integrated Services Digital Networks (ISDN), support of an Operations Administration and Maintenance (OA&M) application, support of Transaction Capabilities, and others yet to be defined. National versions of the 1988 Blue Book and later versions of the Telephone User Part (TUP) and Data User Part (DUP)¹ will not be included in this document and will not be supported in U.S. networks. Instead, information describing additional protocol capabilities and new applications is provided. Further information on new applications will be included as detailed definition work proceeds.

Within this document, the following protocol terms are used:

- ITU-T SS#7 or SS#7 - International Signalling System No. 7
- SS7 - The U.S. version of Signalling System No. 7

The contents of this standard generally follow the outline and organization of the existing ITU-T 1992 specification using the same chapter titles as appropriate.

This standard is the first of a series of standards dealing with SS7.

- (1) In this document, Chapters T1.110.2 through T1.110.4 present the Glossary, Abbreviations, and Annotation Rules.
- (2) ANSI T1.111 (the Message Transfer Part (MTP)) consists of Chapters T1.111.1 through T1.111.8 and specifies the basic transport mechanisms of SS7.
- (3) ANSI T1.112 (Signalling Connection Control Part (SCCP)) consists of Chapters T1.112.1 through T1.112.5 and specifies enhancements to the basic SS7 capabilities.

A “[” symbol indicates a change from the previous issue.

¹⁾ Not specified for U.S. Networks