ATIS-1000621.2014(R2019)

Integrated Services Digital Network (ISDN) – User-to-User Signaling Supplementary Service

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ATIS-1000621.2014(R2019), *Integrated Services Digital Network (ISDN) – User-to-User Signaling Supplementary Service*

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Integrated Services Digital Network (ISDN) – User-to-User Signaling Supplementary Service

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Abstract

This standard is one of a series which defines and describes service capabilities within the context of an Integrated Service Digital Network (ISDN). It describes a single service capability which is a telecommunication transport capability. Such capability 5 be made available on a demand or a subscription arrangement.

Foreword

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between providers, customers, and manufacturers. The Packet Technologies and Systems Committee (PTSC) develops and recommends standards and technical reports related to services, architectures, and signaling, in addition to related subjects under consideration in other North American and international standards bodies. PTSC coordinates and develops standards and technical reports relevant to telecommunications networks in the U.S., reviews and prepares contributions on such matters for submission to U.S. ITU-T and U.S. ITU-R Study Groups or other standards organizations, and reviews for acceptability or per contra the positions of other countries in related standards development and takes or recommends appropriate actions.

This standard defines and describes the user-to-user signaling supplementary service in the context of an Integrated Services Digital Network (ISDN). The user-to-user signaling service permits subscribers to exchange limited amounts of user information during the establishment of a circuit-switched call. This service applies to both an ISDN basic rate access and an ISDN primary rate access. It is intended to supplement the basic circuit mode bearer services contained in American National Standard for Telecommunications – Integrated Services Digital Network (ISDN) – Circuit mode bearer service category descriptionATIS-1000620.

Manufacturers of ISDN user terminals and manufacturers of ISDN switching equipment can apply this standard to the design and development of their products.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

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

At the time of consensus on this document, PTSC, which was responsible for its development, had the following leadership:

M. Dolly, PTSC Chair (AT&T)
V. Shaikh, PTSC Vice-Chair (ACS)
M. Dolly, PTSC SAC Chair (AT&T)

The **SAC** Subcommittee was responsible for the development of this document.

Table of Contents

Table of Figures

Table of Tables

ATIS Standard on –

Integrated Services Digital Network (ISDN) – User-to-User Signaling Supplementary Service

1 Scope, Purpose, & Application

1.1 Scope & Purpose

The user-to-user signaling supplementary service provides a means of communication used to exchange user information between two users. The exchange of user information is generally not a network acknowledged service. Acknowledgement of receipt of user information is not the responsibility of the net- work. Network notification of user information discard, due to the network's inability to trans- port the user information, shall be limited to notification sent to the user originating the discarded user information.

This standard is one of a series which defines and describes service capabilities within the context of an Integrated Service DigitalNetwork (ISDN). It describes a single service capability which is a telecommunication trans- port capability. Such capability may be made available on a demand or a subscription arrangement. The interaction of this service capability with other ANSI defined service capabilities is also included. The purpose of the standard is to allow maximum compatibility among network and user owned telecommunications equipments in order to increase the attractiveness and usefulness of ISDN- based capabilities.

This standard specifies only the operation of UUS service requested implicitly). The specifications for Service 1 requested explicitly, and Services 2 and 3 are for further study. Services 1, 2, and 3 are defined in ITU-T Recommendation I.257.1.

1.2 Application

This service applies to an ISDN as described in the ITU-T recommendations of the I-series and is intended to supplement the Basic Circuit Mode call procedures specified in ANSI ATIS-1000607 and ANSI ATIS-1000113. It should be used in conjunction with the other ANSI standards for ISDN supplementary services for a complete understanding of the interactions between this and other services.

This service may be applied to the following circuit mode bearer services identified in ATIS-1000603, and ATIS-1000604 for the ISDN basic and primary rate interfaces:

- speech;
- 3.1 kHz audio (voiceband data);
- 64 kbit/s unrestricted data.

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