**Contribution**

**TITLE:** IP Interconnection Outline

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**ABSTRACT**

This document provides a draft outline as the basis to which contributions are to be contributed against at future meetings.

**NOTICE**

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**ATIS-0x0000x.YYYY**

American National Standard for Telecommunications

**IP Interconnection**

**Alliance for Telecommunications Industry Solutions**

Approved Month DD, YYYY

**American National Standards Institute, Inc.**

**Abstract**

Abstract text here.

**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 Telecommunications Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The [**COMMITTEE NAME**] Committee [**INSERT MISSION**]. [**INSERT SCOPE**].

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, [**COMMITTEE NAME**], 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of consensus on this document, [**COMMITTEE NAME**], which was responsible for its development, had the following leadership:

[**LEADERSHIP LIST**]

The **[SUBCOMMITTEE NAME]** Subcommittee was responsible for the development of this document.

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# Scope, Purpose, & Application

## Scope

xxx

## Purpose

xxx

## Application

xxx

# Normative References

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

ATIS-0x0000x, *Technical Report*.

ATIS-0x0000x.201x, *American National Standard*.

# Definitions, Acronyms, & Abbreviations

For a list of common communications terms and definitions, please visit the *ATIS Telecom Glossary*, which is located at < <http://www.atis.org/glossary> >.

## Definitions

**AAA**: xxxx.

**Bbbb**: xxxx.

## Acronyms & Abbreviations

|  |  |
| --- | --- |
| ATIS | Alliance for Telecommunications Industry Solutions |

# Reference Model for Interconnection

## General

## Functionalities performed by entities at the edge of the network

Xxx

## Trust Model

xxx

# General Procedures

## Extension Negotiation

## Public User Identities

## IPv4/6 Interworking

## Fault Isolation and Recovery

### Interface Failure Detection

### Congestion Control

### Session Timer

### Detecting Loops

### RTP Loopback Test

## Media

### RTP

### Codecs

### *Codec/packetization period use and transcoding guidelines*

## IP Routing and IP Addressing

## IP Packet marking

## 

# Call Features

## Basic Call Setup

## Ringback Tone vs. Early Media

## Early-Media with Multiple Terminating Endpoints

## Forking the INVITE

## Redirecting the INVITE

## Establishing calls using 3PCC

## Call Hold

## Calling Number and Name Delivery

## Call Forwarding

## Call Transfer

## Conferencing

## Auto Recall/Callback

## ???

# NNI Signaling Profile

## SIP Methods and Header Fields

### SIP Methods

### SIP Header Fields

### SDP Protocol

### Major Capabilities

## SIP Timers

# Numbering and Addressing

Xxx

# Security

**Annex A**

(normative/informative)

# Annex A – Response Codes

Xxx