



ATIS-0300209.2018(R2023)

**Operations, Administration, Maintenance, and
Provisioning (OAM&P) – Network Tones and
Announcements**

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ATIS-0300209.2018(R2023), *Operations, Administration, Maintenance, and Provisioning (OAM&P) – Network Tones and Announcements*

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American National Standard for Telecommunications

**Operations, Administration, Maintenance, and
Provisioning (OAM&P) –
Network Tones and Announcements**

Alliance for Telecommunications Industry Solutions

Approved June 20 2023

American National Standards Institute, Inc.

Abstract

This standard provides guidance for the provision of network tones and announcements.

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 Telecom Management and Operations Committee (TMOC) develops operations, administration, maintenance and provisioning standards, and other documentation related to Operations Support System (OSS) and Network Element (NE) functions and interfaces for communications networks – with an emphasis on standards development related to U.S.A. communication networks in coordination with the development of international standards.

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, TMOC, 1200 G Street NW, Suite 500, Washington, DC 20005.

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

- P. Galarza, TMOC Chair (iconectiv)
- T. Barrett, Technical Editor (AT&T)

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American National Standard for Telecommunications –

Operations, Administration, Maintenance, and Provisioning (OAM&P) – Network Tones and Announcements

1 Scope, Purpose, & Application

1.1 Scope

This standard addresses Tones and Announcements associated with Ineffective call attempts.

Tones addressed include:

- Busy Tone;
- Reorder Tone; and
- Special Information Tones.

Announcements addressed include:

- Reorder;
- No Circuit;
- Vacant Code;
- Intercept; and
- Ineffective Other.

The tones and announcements delineated above are used in the Public Switched Telephone Network (PSTN).

This standard also addresses the mapping of Cause Indicator Values specified for the ISDN User Part (ISUP) and Digital Subscriber Signaling System Number 1 (DSS1) in ATIS-1000113 and ATIS-1000607 and ATIS-1000607.a, respectively, and the tones and announcements identified in this standard. This mapping is for use in call processing involving two or more interconnecting networks (ICNs) when Signaling System Number 7 (SS7) is used for call control. This standard considers the provision of these tones and announcements by originating, intermediate, and terminating ICNs.

All other tones and announcements and the mapping of other Cause Values not included in this standard are candidates for further study for inclusion in this document in the future.

1.2 Purpose

This document provides guidelines intended to standardize the application of tones and announcements to differentiate ineffective call conditions.

This standard also provides guidelines to be used as a basis for the provisioning of tones and announcements in a SS7 environment by ICNs.