**ATIS-0x0000x**

ATIS Standard on

**Robocall Call Blocking Notification**

**Alliance for Telecommunications Industry Solutions**

Approved Month DD, YYYY

**Abstract**

Abstract text here.

**Foreword**

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**].

The mandatory requirements are designated by the word *shall* and *must,* 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. The word *may* denotes an optional capability that could augment the standard. The standard is fully functional without the incorporation of this optional capability.

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.

**Revision History**

| **Date** | **Version** | **Description** | **Author** |
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# Scope, Purpose, & Application

## Scope

This document provides voice service providers with an interoperable approach to providing real-time notification to callers when their call request is blocked by a voice service provider due to analytics. It ensures that voice service providers can continue to use analytics to block illegal and unwanted calls while providing immediate notice to callers.

## Purpose

The purpose of this document is to describe how SIP Code 603 can be profiled to include standardized information in a header field that distinguishes between analytics-based blocking and other call declinations and provide callers with actionable information regarding blocked robocall which they may seek redress if they feel their calls should not be blocked.

## Application

This standard can be used to provide timely notification to the call originator regarding why a call they initiated was rejected, along with the identity of the voice service provider that rejected it.

# 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.

RFC-3261

RFC-3326

RFC-6432

RFC-8606

ATIS-0x0000x, *Technical Report*.[[1]](#footnote-1)

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 < <https://glossary.atis.org/> >.

## Definitions

* Analytics: analysis of a call request ~~based on voodoo and hocus-pocus~~ to determine how likely it is to be fraudulent or undesirable for reasons not specific to or likely to reveal the identity of, the intended recipient.

## Acronyms & Abbreviations

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

# Blocking Call Processing

## Data Analytics Blocking

If a Data Analytics Application Server (AS) blocks a call, the AS MUST reply with a SIP 603 response with a reason phrase “Network Blocked” and a SIP Reason Header” and an identifier as to who performed the blocking and providing contact information through which the caller may learn why the call was blocked and if appropriate, request that this cease.

An example of the Reason Header is illustrated below:

Reason: Q.850;cause=21;text="carrier + contact info";location=LN

Reason: Q.850;cause=21;text="carrier + contact info";location=TN

(location=LN would be used when blocking occurred in the network serving the called party; location=TN would be used when blocking occurred in a transit network – this is all in RFC-8606).

### Transit Network Processing

The transit network MUST transparently forward a SIP 603 received.

### Originating Network Processing

The originating network MUST forward the SIP 603 message toward the CgP.

1. This document is available from ORGANIZATION at <website>. [↑](#footnote-ref-1)