



ATIS-0300220.2016

**Structure for the Representation of the Communications  
Industry Manufacturers, Suppliers, and Related Service  
Companies for Information Exchange**

**AMERICAN NATIONAL STANDARD FOR TELECOMMUNICATIONS**



As a leading technology and solutions development organization, the Alliance for Telecommunications Industry Solutions (ATIS) brings together the top global ICT companies to advance the industry's most pressing business priorities. ATIS' nearly 200 member companies are currently working to address the All-IP transition, 5G, network functions virtualization, big data analytics, cloud services, device solutions, emergency services, M2M, cyber security, network evolution, quality of service, billing support, operations, and much more. These priorities follow a fast-track development lifecycle — from design and innovation through standards, specifications, requirements, business use cases, software toolkits, open source solutions, and interoperability testing.

ATIS is accredited by the American National Standards Institute (ANSI). The organization is the North American Organizational Partner for the 3rd Generation Partnership Project (3GPP), a founding Partner of the oneM2M global initiative, a member of and major U.S. contributor to the International Telecommunication Union (ITU), as well as a member of the Inter-American Telecommunication Commission (CITEL). For more information, visit [www.atis.org](http://www.atis.org).

## AMERICAN NATIONAL STANDARD

Approval of an American National Standard requires review by ANSI that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered, and that a concerted effort be made towards their resolution.

The use of American National Standards is completely voluntary; their existence does not in any respect preclude anyone, whether he has approved the standards or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

The American National Standards Institute does not develop standards and will in no circumstances give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of the American National Standards Institute. Requests for interpretations should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

**CAUTION NOTICE:** This American National Standard may be revised or withdrawn at any time. The procedures of the American National Standards Institute require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards may receive current information on all standards by calling or writing the American National Standards Institute.

## Notice of Disclaimer & Limitation of Liability

The information provided in this document is directed solely to professionals who have the appropriate degree of experience to understand and interpret its contents in accordance with generally accepted engineering or other professional standards and applicable regulations. No recommendation as to products or vendors is made or should be implied.

NO REPRESENTATION OR WARRANTY IS MADE THAT THE INFORMATION IS TECHNICALLY ACCURATE OR SUFFICIENT OR CONFORMS TO ANY STATUTE, GOVERNMENTAL RULE OR REGULATION, AND FURTHER, NO REPRESENTATION OR WARRANTY IS MADE OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS. ATIS SHALL NOT BE LIABLE, BEYOND THE AMOUNT OF ANY SUM RECEIVED IN PAYMENT BY ATIS FOR THIS DOCUMENT, AND IN NO EVENT SHALL ATIS BE LIABLE FOR LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ATIS EXPRESSLY ADVISES THAT ANY AND ALL USE OF OR RELIANCE UPON THE INFORMATION PROVIDED IN THIS DOCUMENT IS AT THE RISK OF THE USER.

NOTE - The user's attention is called to the possibility that compliance with this standard may require use of an invention covered by patent rights. By publication of this standard, no position is taken with respect to whether use of an invention covered by patent rights will be required, and if any such use is required no position is taken regarding the validity of this claim or any patent rights in connection therewith. Please refer to [<http://www.atis.org/legal/patentinfo.pdf>] to determine if any statement has been filed by a patent holder indicating a willingness to grant a license either without compensation or on reasonable and non-discriminatory terms and conditions to applicants desiring to obtain a license.

ATIS-0300220.2016

Is an American National Standard developed by the **ATIS Telecom Management and Operations Committee (TMOC)**.

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

Copyright © 2016 by Alliance for Telecommunications Industry Solutions  
All rights reserved.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher. For information contact ATIS at 202.628.6380. ATIS is online at < <http://www.atis.org> >.

**ATIS-0300220.2016**  
**(Revision of ATIS-0300220.2011)**

American National Standard for Telecommunications

**Structure for the Representation of the Communications  
Industry Manufacturers, Suppliers, and Related Service  
Companies for Information Exchange**

**Alliance for Telecommunications Industry Solutions**

Approved September 22, 2016

**American National Standards Institute, Inc.**

**Abstract**

This standard provides the code and format structure for the representation of the names of communications industry manufacturers, suppliers, and related service companies for the purpose of efficient information exchange.

## 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, 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.

This document is entitled *Structure for the Representation of the Communications Industry Manufacturers, Suppliers, and Related Service Companies for Information Exchange*. This American National Standard provides for various coded representations necessary to identify manufacturers, suppliers, and related service companies that comprise the communications industry, for efficient information interchange for both data and non-data applications.

This standard was initially developed as a direct result of a contribution submitted by the Telecommunications Industry Forum (TCIF) to standardize the names of the telecommunications industry manufacturers, suppliers, and related service companies. The previous TCIF responsibilities currently are handled within the ATIS Automatic Identification and Data Capture Committee (AIDC) Committee. These codes are in widespread use as de facto standards in records for information interchange, covering procurement/ordering, equipment engineering, circuit identification, billing, and revenue distribution.

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 criteria, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

This standard contains four annexes that are for information only and are not considered part of the standard.

Requirements specify the minimum format and structure of codes required for information exchange between communications service providers.

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 it approved this standard, TMOC, which is responsible for the development of this Standard, had the following leadership:

M. Usry, TMOC Chair [iconectiv]

M. Usry, TMOC Editor [iconectiv]

## Table of Contents

---

1	Scope & Purpose.....	1
2	Definitions.....	2
3	General.....	2
4	Data Element & Format Structure.....	2
5	Code Assignment Process .....	3
6	Duties of Maintenance Agent.....	3
A	Code Examples .....	4
B	Informative References.....	5
C	Assignment of Maintenance Agent .....	6
D	Recognition of Other Company Identity Issuing Agencies.....	7

## Table of Tables

---

Table 4.1 – Code Format Structure .....	2
-----------------------------------------	---

American National Standard for Telecommunications –

# Structure for the Representation of the Communications Industry Manufacturers, Suppliers, and Related Service Companies for Information Exchange

## 1 Scope & Purpose

---

This standard identifies the structure and the coded format structure for the identification of the manufacturers, suppliers, and related service companies that provide products to the communications industry.

The code formats defined in this standard are used to facilitate information exchange in the identification of these companies across various processes for both humans and machines and it relates to business supporting functions such as:

- Product identification and marking.
- Asset recording and financial management.
- Procurement.
- Inventory and spares management.
- Planning, forecasting, and reporting.
- Engineering and provisioning.
- Inter-carrier ordering.
- Trouble administration.

This standard also outlines the responsibilities of the maintenance agent.