



ATIS-0300253.2020

**Structure for the Representation of Location Entities for
Information Exchange**

AMERICAN NATIONAL STANDARD FOR TELECOMMUNICATIONS



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American National Standard for Telecommunications

Structure for the Representation of Location Entities for Information Exchange

Alliance for Telecommunications Industry Solutions

Approved January 13, 2020

American National Standards Institute, Inc.

Abstract

This standard defines the format and structure of data elements and the overall code necessary to provide a structure for the representations of location entities 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.

This standard was processed and approved for submittal to ANSI by the ATIS Telecom Management and Operations Committee (TMOC). The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Telecom Management and Operations Committee (TMOC), formerly T1M1, 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 American National Standard defines the format and structure of a code to be used for the identification of location entities for information exchange. It also provides for instances of codes to represent geographical locations (e.g., cities, towns, and communities) within the states and territories of the United States and the provinces and territories of Canada, as well as in other countries and unique designations. This standard also provides information for the assignment of these codes and defines the duties of a maintenance agent. The provision of instances of the remaining data elements in the overall location code is also described. The remaining data elements needed to complete the unique location codes are assigned by the maintenance agent in concert with customers licensed by iconectiv®, LLC to use its CLLI™ Code design.

The code structure and format portion of this standard is compatible with the TruOps Common Language® CLLI™ Code design for the identification of location entities. The CLLI™ Code design was initially developed in 1966 and has been recognized as a de facto telecommunications standard for the interchange of information in the ordering of access services and for identifying points of termination for services provided by exchange and interexchange carriers. It is also included as information in the National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4 - *Wire Center and Interconnection Information*.

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 of performance advantages.

This document contains four informative annexes. These annexes are for information only and are not considered part of this standard.

Suggestions for improvement of this standard will be welcome. These 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:

P.Galarza TMOC (iconectiv)

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American National Standard for Telecommunications –

Structure for the Representation of Location Entities for Information Exchange

1 Scope & Purpose

This standard is intended for general use to provide a common method of identification of location entities, in order to help ensure the unambiguous exchange and interpretation of information. While the intended scope of this standard is for the identification of locations in North America, the code as defined may be applied to location entities in other countries and to unique designations (e.g., satellites and oceans).

The code described in this standard is used to facilitate information exchange in the identification of locations across various processes for both humans and machines as it relates to business supporting functions such as:

- Asset Recording and Financial Management
- Procurement
- Inventory and Spares Management
- Planning, Forecasting, and Reporting
- Engineering Management: Circuit/Design Layout Records (CLR/DLR)
- Ordering: Access/Local Service Request (ASR/LSR), Firm Order Confirmation (FOC)
- Billing: Carrier Access (CABS)
- Trouble Administration

This standard also outlines the responsibilities of the maintenance agent.

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 National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

[Ref 1] ANSI INCITS 382009 *Information Technology - Codes for the Identification of the States and Equivalent Areas within the United States, Puerto Rico, and the Insular Areas*.¹

[Ref 2] ISO 3166-1: *Codes for the Representation of Names of Countries and Their Subdivisions - Part 1: Country Codes*.²

3 Definitions

3.1 **Customer site:** Customer utilization of ICT equipment at a specific location where there is a requirement to uniquely identify that customer's presence for the purpose of inventory and facility management

¹ This document is available from the American National Standards Institute (ANSI) at < <http://webstore.ansi.org/default.aspx> >

² This document is available from the International Organization for Standards (ISO) at < <http://www.iso.org> >