



ATIS-0300223.2020

**Structure for the Identification of Network Channel (NC)
and Network Channel Interface (NCI) Codes
for Information Exchange**

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ATIS-0300223.2020, *Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange*

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American National Standard for Telecommunications

Structure for the Identification of Network Channel (NC) and Network Channel Interface (NCI) Codes for Information Exchange

Alliance for Telecommunications Industry Solutions

Approved January 13, 2020

American National Standards Institute, Inc.

Abstract

This standard provides the specifications and characteristics of Network Channel (NC) and Network Channel Interface (NCI) codes. This standard contains clauses that cover its purpose and scope and describe format structures and data elements for network channel and network channel interface codes. It also contains definitions and references. Its intended use is to provide a standard that facilitates information exchange among humans and machines.

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.

These codes are recognized as the de facto industry standards for information exchange. The code structure and format portion of this standard is compatible with NC™, NCI™ and NC/NCI™ (collectively, "NC/NCI") code design for the identification of channels and interfaces. This standard adopts the use of Telcordia Technologies Inc. dba **iconectiv** ruOps Common Language® Information Services NC/NCI™ Codes, which are proprietary systems of coding information that are made available to authorized users, under specific license agreement with Telcordia Technologies Inc. dba **iconectiv**. These codes are embedded in records for inventory management, capacity management, network and traffic routing, and trouble management/resolution, among others. They are also in widespread use in information exchange on ordering, provisioning, billing and service assurance records within the industry.

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.

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

Suggestions for the improvement of this standard are welcome. These should be sent to the Alliance for Telecommunications Industry Solutions, TMOC, 1200 G Street, NW, Suite 500, Washington, DC 20004.

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

Pat Galarza, TMOC Chair (iconectiv)

The Telecom Management and Operations Committee (TMOC) was responsible for the development of this document.

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