



ATIS-0300052

Non-Geographic 5XX-NXX Code Assignment Guidelines

Reissued with the resolution of Issue 866.

October 26, 2018

Copyright © 2018 by the Alliance for Telecommunications Industry Solutions, Inc.
All rights reserved.

The Non-Geographic 5XX- NXX Code Assignment Guidelines dated October 26, 2018, is copyrighted, published and distributed by ATIS on behalf of the Industry Numbering Committee (INC). Except as expressly permitted, no part of this publication may be reproduced or distributed in any form, including electronic media or otherwise, without the prior express written permission of ATIS.

Participants in the INC and other parties are hereby authorized to reproduce this document and distribute it within their own business organizations for business purposes, provided that this notice continues to appear in the reproduced documentation. Resale is prohibited.

For ordering information, please contact:

ATIS
1200 G Street N.W., Suite 500
Washington, DC 20005
(202) 628-6380
inc@atis.org

A complete listing of INC Documents is available on the ATIS Web Site at:

<http://www.atis.org/inc/incguides.asp>.

Trademark Acknowledgements

iconectiv®, Telcordia®, and Common Language® are registered trademarks and CLCI™, CLLI™, LERG™ Routing Guide and TPM™ Data Source are trademarks and the Intellectual Property of Telcordia Technologies, Inc. dba as iconectiv.



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, 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.

The Industry Numbering Committee (INC) provides an open forum to address and resolve industry-wide issues associated with planning, administration, allocation, assignment and use of North American Numbering Plan (NANP) numbering resources within the NANP area.

This document is maintained under the direction of ATIS and the INC. Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, INC Staff, 1200 G Street NW, Suite 500, Washington, DC 20005. All changes to this document shall be made through the INC issue resolution process and adopted by the INC as set forth in the *ATIS Operating Procedures*.

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.

<p>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.asp] 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.</p>
--

TABLE OF CONTENTS

1.0 PURPOSE AND SCOPE	5
2.0 ASSUMPTIONS AND CONSTRAINTS.....	5
3.0 ASSIGNMENT PRINCIPLES	7
4.0 CRITERIA FOR ASSIGNMENT	8
5.0 RESPONSIBILITIES OF CODE APPLICANTS AND HOLDERS.....	14
6.0 RESPONSIBILITIES OF CODE ADMINISTRATOR.....	16
7.0 CODE RECLAMATION PROCEDURES.....	17
7.1 RESOURCE ASSIGNEE RESPONSIBILITY	18
7.2 CODE ADMINISTRATOR RESPONSIBILITY	18
8.0 CODE CONSERVATION	19
9.0 CODE RELIEF PLANNING	19
10.0 MAINTENANCE OF GUIDELINES	20
11.0 APPEALS PROCESS.....	20
12.0 GLOSSARY	20
NON-GEOGRAPHIC 5XX-NXX CODE FORMS	27
NON-GEOGRAPHIC 5XX-NXX CODE FORMS28_PART A.....	28
NON-GEOGRAPHIC 5XX-NXX CODE FORMS_PART B.....	32
NON-GEOGRAPHIC 5XX-NXX CODE FORMS_PART C.....	34

Attachment A, Business Plan/Pre-Planning Checklist for Demonstration of Facilities Readiness for an Initial 5XX-NXX Code

1.0 PURPOSE AND SCOPE

This document specifies guidelines for the assignment of NXX codes within a 5XX non-geographic Service Access Code (SAC) used for non-geographic 5XX-NXX services.

1.1 For the purpose of these assignment guidelines, the 5XX-NXX codes are to be used for applications which are non-geographic in nature, are not assigned to Rate Centers and may or may not traverse the PSTN, but do require an E.164 addressing scheme. The use of this NANP numbering resource is to communicate with both fixed and mobile devices, some of which may be unattended. This resource may be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, the ability to share information with back-office control and database systems and with the people that use these. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider.

1.2 These assignment guidelines do not apply to an environment where number portability exists, but do not preclude the implementation of Personal Communications Services (PCS) and non-geographic 5XX-NXX number portability in the future. The INC provided the FCC with a report which did not recommend PCS number portability (see ATIS-0300062, 500/900 Report on LEC Number Portability). The INC Report on PCS N00 Portability, ATIS-0300053, provides a potential implementation plan if regulatory directive is given in the future to proceed with 5XX-NXX portability.

1.3 These guidelines were developed by the industry consensus process under the auspices of the Industry Numbering Committee (INC).

1.4 These guidelines are expected to apply throughout the NANP area subject to procedures and constraints of the NANP area Administrations unless the affected Administrations direct otherwise.

1.5 These guidelines do not supersede appropriate North American Numbering Plan (NANP) area governmental or regulatory principles, procedures and requirements.

2.0 ASSUMPTIONS AND CONSTRAINTS

The development of these guidelines include the following assumptions and constraints:

2.1 NANP resources, including those covered in these guidelines, are collectively managed by the North American Telecommunications industry with oversight of the North American federal regulatory authorities. The NANP and the NANP resources are developed in conformance with the International Telecommunication Union Telecommunications Standardization Sector (ITU-T) recommendations including E.164 "The international public telecommunication numbering plan."¹

¹ <http://www.itu.int/rec/T-REC-E.164/en>