



ATIS-0300052

Non-Geographic 5XX-NXX Code Assignment Guidelines

Reissued with the resolution of Issue 989.

December 13, 2024

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For ordering information, please contact:

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

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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*.

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Foreword

The Alliance for Telecommunications Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Industry Numbering Committee provides an open forum to address and resolve industry-wide issues associated with planning, administration, allocation, assignment and use of the North American Numbering Plan (NANP) numbering resources within the NANP area.

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, INC, 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of consensus on this document, INC, which was responsible for its development, had the following leadership:

Allyson Blevins, Sinch

John Nakamura, 10x People

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Non-Geographic 5XX-NXX Code Assignment Guideline Forms

Part 1	Non-Geographic Code Application
Part 3	Administrator’s Response/Confirmation
Part 4	Confirmation of 5XX-NXX Code In Service

ATIS Standard on –

Non-Geographic 5XX-NXX Code Assignment Guidelines

1. 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 Central Office (CO) Code (NPA-NXX) services.

1.1

For the purpose of these assignment guidelines, the 5XX-NXX CO 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 Public Switched Telephone Network (PSTN), but do require an E.164 addressing scheme. Calls to 5XX-NXX CO Codes may not be dialable from the PSTN and route only within the assignee's network. The use of this North American Numbering Plan (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 (SP).

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 Industry Numbering Committee (INC) provided the Federal Communications Commission (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 INC.

1.4

These guidelines are expected to apply throughout the NANP area subject to procedures and constraints of the NANP area numbering resource administrators unless the affected numbering resource administrators direct otherwise. Currently, the numbering resource administrator in the United States is the North American Numbering Plan Administrator (NANPA).

1.5

These guidelines do not supersede appropriate NANP area governmental or regulatory principles, procedures and requirements.

2. 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

The NANP resources are considered a public resource and are not owned by the assignees. Consequently, the resources cannot be sold, brokered, bartered or leased by the assignee for a fee or other consideration.

If a resource is sold, brokered, bartered, or leased for a fee, the resource is subject to Reclamation by the numbering resource administrator.

2.2

These guidelines are intended to apply to 5XX-NXX CO Code(s) that are assigned to non-geographic 5XX-NXX services.

2.3

These assignment guidelines do not apply to an environment where number portability exists. In the event of the implementation of 5XX-NXX number portability, these Guidelines will be modified.

2.4

The allocation and assignment of 5XX-NXX CO Codes, as set forth in these guidelines, remains in effect until there is industry consensus and/or regulatory policy direction to change these assignment guidelines.

2.5

The NANPA initially assigned the 500 code for use with personal communications service, and the INC subsequently designated the 533, 544, 566, 577, 588, 522, 521, 523, 524, 525, 526, 527, 528, 529, 532, 538, 542, 543, 545, 547, 549, 552, 553, 554, 556, 569, 578, 589, 550, 535, 546, and 558 Numbering Plan Area (NPA) codes for future personal communications service and other non-geographic services.² It has been recognized the potential exists that the demand for these resources may exceed the 5XX-NXX CO Codes already allocated for these applications. Therefore, code applicants/holders should be aware that additional CO Codes have been designated from non-geographic NPAs which are not in the 5XX-NXX format. The designation of additional NPA codes for these applications is under the purview of the INC.

2.6

Audits of the NANPA and CO Code applicants/holders may be performed to: 1) ensure uniformity in application of these guidelines by the NANPA to all CO Code requests received, 2) ensure compliance with these guidelines by CO Code applicants/holders and the NANPA, and 3) ensure the efficient and effective use of numbering resources by CO Code applicants/holders and the efficient management of numbering resources by NANPA.

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

² See <https://www.nanpa.com> for more information on the assignment history.

2.7

These guidelines do not address the issue of who will fill the role of the numbering resource administrators or NANPA. The guidelines described herein were developed by the industry without any assumption on who should be the numbering resource administrators or NANPA.

2.8

The CO Code applicant/holder of the 5XX-NXX CO Code must have authorization from the appropriate applicable regulatory authority(s) to operate in the area in which it intends to provide non-geographic 5XX-NXX services.

2.9

The guidelines should provide the greatest latitude to those providing non-geographic 5XX-NXX services while effectively permitting management of a finite resource.

2.10

5XX-NXX CO Code(s) are a public resource and administrative assignment of the CO Codes does not imply ownership of the resource by the entity performing the administrative function, nor does it imply ownership by the entity to which it is assigned. The assignment of a 5XX-NXX CO Code(s) by the numbering resource administrator implies the use of that CO Code(s) by the CO Code recipient/holder for non-geographic 5XX-NXX services.

2.11

SPs, numbering resource administrators, and NANPA are responsible for managing numbering resources in accordance with these guidelines and the orders of applicable regulatory authorities. SPs, numbering resource administrators, and NANPA are subject to Audits. Further information may be found in FCC 00-104 ¶ 62, FCC 00-429 ¶ 81-99, FCC 01-362 ¶ 95-111, and 47 CFR § 52.15 (k).

The NANP Resources assigned in this guideline are expected to be used in conformance with this guideline and the related ITU-T recommendations. Misuse of a resource either as defined in this guideline or as defined in ITU-T E.156 "Guidelines for ITU-T action on reported misuse of E.164 number resources" should be reported to the NANPA.³ See Section 10 for contact information.

3. Assignment Principles

To allow the entities the greatest possible latitude in providing services, the following assignment principles apply to all aspects of the Non-Geographic 5XX-NXX Code Assignment Guidelines:

3.1

All 5XX-NXX CO Code applicants will be required to provide a completed Non-Geographic 5XX-NXX Code Application – Part 1 form. The applicant should retain a copy of quantitative support information in the event of an Audit or regulatory initiative (See Section 2.11).

³ <http://www.itu.int/rec/T-REC-E.156/en>

3.2

5XX-NXX CO Codes shall be assigned in a fair, timely and impartial manner to any applicant which meets the criteria for assignment as detailed in Section 4.

3.3

Applicants for 5XX-NXX CO Codes must comply with all applicable local governmental, state, federal and the NANP area governmental regulations relative to the service they wish to provide. When a Service Provider (SP)'s jurisdictional certification, license, or authorization to operate has been revoked, the appropriate regulatory authority should provide written direction and supporting documentation to the NANPA to deny applications for the company name associated with the revoked jurisdictional certification, license, or authorization.⁴ NANPA will remove any current FCC Form 502 North American Numbering Plan Numbering Resource Utilization/Forecast (NRUF) Report forecasts associated with the SP's Operating Company Number(s) (OCNs).

3.4

These 5XX-NXX CO Codes will be assigned and used only for non-geographic 5XX-NXX services (See Section 1.1).

3.5

5XX-NXX CO Codes are a finite resource that should be used in the most effective and efficient manner possible.

3.6

Information that is requested of applicants in support of a CO Code assignment shall be uniform and kept to a minimum. Information received by the numbering resource administrator shall be treated on a proprietary and confidential basis, adequately safeguarded and not shared with non-numbering resource administrator personnel.

3.7

An entity which is denied the assignment of one or more 5XX-NXX CO Codes, under these guidelines, has the right to appeal that decision as described in Section 11 (Appeals Process).

3.8

5XX-NXX CO Codes will be assigned on a first come, first serve basis from the available pool of unassigned CO Codes. However, the NANPA will attempt to match a C) Code assignment with a specific CO Code request.

3.9

These Guidelines do not impose a limit on the total number of 5XX-NXX CO Codes assigned to each entity, provided that CO Codes already assigned are used as specified in these Guidelines.

⁴ See FCC 00-429 ¶ 122 and FCC 15-70 ¶ 53.

4. Criteria for Assignment

The assignment criteria in the following section shall be used by the numbering resource administrator in reviewing a 5XX-NXX CO Code assignment request for an initial and/or growth CO Code(s):

4.1

5XX-NXX CO Codes shall only be assigned to applicants for non-geographic 5XX-NXX services, as described in Section 1.1, upon approval of a completed Part 1.

4.2

To obtain a 5XX-NXX CO Code within a 5XX NPA, the applicant shall submit a completed Part 1. In addition, the applicant shall certify that it will be providing services consistent with 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. Calls to 5XX-NXX CO Codes may not be dialable from the PSTN and route only within the assignee's network. The applicant shall demonstrate that it has secured the necessary authorization, from the federal, state, or other regulatory authority within the NANP area in which it intends to provide such service (See Section 4.3.1).

In order to obtain a 5XX-NXX CO Code, an applicant shall submit or have submitted a NRUF Report. See NRUF Reporting Guidelines and NANPA Non-Geographic NRUF Job Aid at <https://www.nanpa.com> for instructions on completing the report.

The FCC's "Red Light Rule" mandates that any organization delinquent in debts owed to the FCC is barred from receiving numbering resources from the NANPA until the delinquency has been resolved.⁵ If the applicant's FCC Registration Number (FRN), associated with its OCN(s), is appearing in the FCC's Red Light Display System (<http://www.fcc.gov/redlight>) at the time the NANPA is processing the application, the application shall be denied.

The OCN provided on the Part 1 must be associated with a NECA Company Code (OCN) Category Type that has been determined to be appropriate for the direct assignment of numbering resources. The following is the list of permitted Company Code Category Types for numbering resources:

Incumbent Local Exchange Carrier	ILEC
Regional Bell Operating Company	RBOC
Competitive Local Exchange Carrier	CLEC
Personal Communications Service	PCS
Unbundled Local Exchange Carrier	ULEC
Wireless Carriers	WIRE
Internet Provider Enabled Services	IPES [only interconnected Voice over Internet Protocol (VoIP)]

NANPA will deny all numbering applications from SPs with an OCN category that is not permissible for numbering assignments.

4.3 5XX-NXX CO Code Assignment Criteria for Initial CO Code Requests

Applicants for an Initial Code assignment shall provide the NANPA with the following information:

- Projected monthly demand for new TNs in the next 12 months, substantiating the need for the 5XX-NXX CO Code(s) requested.

⁵ See FCC Order 04-72 released April 13, 2004 and FCC Public Notice DA 12-1192 released July 25, 2012.

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- A commitment to place all 5XX-NXX CO Code(s) allocated into service within six (6) months from the Date of Response on the Administrator's Response/Confirmation – Part 3.
- A commitment that the applicant is or will be capable of providing service within 60 days of the numbering resources activation date.⁶
- In the case where an SP needs more than 10 5XX-NXX CO Codes (but no more than 25), the SP shall provide evidence that demonstrates this need via a letter(s) from the customer/agent. A letter shall be on the customer's/agent's letterhead and shall be signed by a party within the customer's/agent's organization with the authority to make such a request (e.g., officer of the company). An SP may request a maximum of 25 5XX-NXX CO Codes on an initial request.

The NANPA shall limit an initial CO Code request to no more than 10 5XX-NXX CO Codes unless the applicant substantiates the need for more than 10 5XX-NXX CO Codes via a request on letterhead from a customer/agent as noted above. The Code Administrator shall not allow more than 25 5XX-NXX CO Codes on an initial request.

For an initial 5XX-NXX CO Code request, an applicant must provide one form of documentation from both Sections 4.3.1 and 4.3.2 below:

4.3.1 License and/or Certification

An applicant shall provide evidence that demonstrates the SP has a license or authorization issued by the FCC or a Certificate of Public Convenience and Necessity (CPCN) issued by a State Regulatory Body to provide service in the area for which the 5XX-NXX CO Code is being requested. The SP shall submit to the NANPA a copy of the FCC license or authorization⁷ or CPCN that is appropriate for the Company Code Category Type of the OCN⁸ provided on the SP's application:

- 4.3.1.1 An OCN with a Company Code Category Type of ILEC, RBOC, ULEC, or CLEC shall provide evidence that demonstrates the SP has a CPCN issued by a State Regulatory Body to provide service in the area the 5XX-NXX CO Code is being requested.
- 4.3.1.2 An OCN with a Company Code Category Type of WIRE or PCS shall provide evidence that demonstrates the SP has a license issued by the FCC to provide service in the area the 5XX-NXX CO Code is being requested.
- 4.3.1.3 An OCN with a Company Code Category Type of IPES shall provide evidence that demonstrates the SP has a national authorization issued by the FCC.

In the case that the name on the license or authorization issued by the FCC or CPCN does not match the SP's name on the application, the applicant shall provide documentation linking the name on the application with the name on the license or authorization issued by the FCC or CPCN.

4.3.2 Facilities Readiness

An applicant shall provide appropriate evidence that facilities are in place or will be in place to provide service within 60 days of the numbering resources activation date (i.e., the LERGTM Routing Guide⁹ effective date) is required. Evidence shall be provided to the NANPA with the Part 1.

⁶ 47 CFR § 52.15 (g) (2)

⁷ See 47 CFR §52.15 (g) (3).

⁸ See Section 5.2 for a list of permitted Company Code Category Types.

⁹ iconectiv[®] and Common Language[®] are registered trademarks and TruOps[™], LERG[™], TPM[™], and CLLI[™] are trademarks of iconectiv, LLC.

4.3.2.1 Interconnected VoIP Providers

Interconnected VoIP providers shall demonstrate proof of facilities readiness by (1) providing a combination of an agreement between the interconnected VoIP provider and its carrier partner and an interconnection agreement between that carrier and the relevant Local Exchange Carrier (LEC), or (2) proof that the interconnected VoIP provider obtains interconnection with the PSTN pursuant to a tariffed offering or a commercial arrangement that provides access to the PSTN.¹⁰

When providing such documentation, the applicant shall provide only the relevant pages or indicate to the NANPA the page numbers for the relevant pages if providing entire agreements or documents. For interconnection agreements, the relevant pages are the cover page, area covered, the expiration date and the signature page from the interconnection agreements. For tariffed offering or commercial arrangement documents, the relevant pages are the cover page, pages that describe how traffic will be exchanged, term of the contract or expiration date, and the signature page. The NANPA shall deny any application when the relevant pages are not provided or the applicant does not indicate the page numbers of the relevant pages when providing entire documents. In the case that the name on an agreement does not match the applicant's name on the application, the applicant shall provide documentation linking the name on the application with the name on the documents.

4.3.2.2 SPs Other Than Interconnected VoIP Providers

For applicants other than interconnected VoIP providers, facilities readiness evidence may be provided by submitting to the NANPA a copy of any one of the following document(s) the SP selects:

- 1) A current executed interconnection agreement between a LEC and the SP requesting numbering resources. The relevant pages are the cover page, area covered, the expiration date and the signature page from the interconnection agreement. The SP shall provide only the relevant pages or indicate the page numbers for the relevant pages if providing the entire interconnection agreement. The NANPA shall deny any application when the relevant pages are not provided or the SP does not indicate the page numbers of the relevant pages when providing the entire interconnection agreement. In the case that the name on the interconnection agreement does not match the SP's name on the application, the applicant shall provide documentation linking the name on the application with the name on the interconnection agreement.
- 2) Documentation of the state commission approval of the current interconnection agreement. In the case that the name on the state commission documentation does not match the SP's name on the application, the applicant shall provide documentation linking the name on the application with the name on the state commission documentation.
- 3) A confirmation letter or letter of intent provided by the LEC with which the requesting SP will interconnect. Interconnecting LECs are encouraged, but not required, to provide such letters. In the case that the name on the letter does not match the SP's name on the application, the applicant shall provide documentation linking the name on the application with the name on the confirmation letter.

All documentation submitted will be held confidential pursuant to FCC confidentiality rules.¹¹

4.4

All information provided on or with Part 1 shall be considered proprietary and confidential.

4.5

5XX-NXX CO Codes will be assigned to applicants who plan on placing the CO Codes into service within six (6) months after the Date of Response on the Part 3. If a 5XX-NXX CO Code has not been placed In Service within six (6) months of the Date of Response on the Part 3, the Code Holder may seek an extension from the appropriate

¹⁰ FCC 15-70, ¶ 37.

¹¹ 47 CFR § 52.13 (c) (7)

regulatory authority (See Section 7). Such an extension request must include the reason for the delay and a new in-service time commitment.

4.6

5XX-NXX CO Codes shall be assigned on a first come, first serve basis and each applicant requesting a 5XX-NXX CO Code(s) will be assigned a unique CO Code(s).

4.7

The 5XX-911 CO Codes will not be assigned as a 5XX-NXX CO Code because of the widespread use of "911" as an abbreviated dialing code for access to public emergency services. There are no 5XX-NXX CO Codes specifically set aside to be used as standard test codes.

4.8

The applicant's preference for a specific 5XX-NXX CO Code(s) will be honored to the extent possible. In the event that the applicant's preferred CO Code(s) is unavailable, or if the applicant does not indicate a preference for a specific CO Code, the NANPA shall assign the next available CO Code sequentially.

4.9

If two applicants request the same 5XX-NXX CO Code simultaneously (i.e., their written requests are received by the NANPA with the same time and date stamp) one of the applicants would be randomly selected to receive the 5XX-NXX CO Code.

4.10 Code Assignment Criteria for Growth Code Requests

Assignment of additional 5XX_NXX CO Code(s) (growth CO Codes) shall be made by satisfying the criteria in section 1.9 on the Part 1. The information submitted shall demonstrate that all of the numbers assigned to the Code Holder will exhaust within six (6) months. In the Months To Exhaust (MTE) calculation and Utilization Level calculations, an SP shall include every 5XX-NXX CO Code assigned to the SP. For additional 5XX-NXX CO Codes for growth, each CO Code Holder shall supply supporting data in section 1.9 of the Part 1 which covers:

- Telephone Number (TNs) Available for Assignment;
- Growth history for the previous six (6) months
- Projected demand for the coming 12 months; and
- The applicants shall demonstrate that existing numbering resources will exhaust within six (6) months.

All applicants for growth numbering resources shall achieve a 75% utilization threshold, calculated in accordance with the below calculation.

The numbering resource utilization threshold shall be calculated by dividing all Assigned Numbers by the total numbering resources in the applicant's inventory and multiplying the result by 100.

In the case where 100 or more 5XX-NXX CO Codes are assigned to a single OCN in a calendar month, the NANPA shall report to the appropriate regulator(s) the OCN(s) to which the CO Codes were assigned.

5. Responsibilities of Code Applicants and Holders

SPs requesting new 5XX-NXX CO Code assignments as well as SPs already assigned PCS 5YY-NXX CO Codes shall comply with the following:

5.1

The CO Code applicant shall review a current copy of the Non-Geographic 5XX-NXX Code Assignment Guidelines.

5.2

The CO Code applicant/holder is responsible for meeting all conditions of these guidelines.

5.3

The application process for initial and/or additional 5XX-NXX CO Code assignments shall include the following:

5.3.1

Apply to the NANPA via the NAS and complete all required entries on the Non-Geographic 5XX-NXX Code Forms that are in these guidelines to the best of his/her ability.

5.3.2

When requesting growth 5XX-NXX CO Codes, applicants shall meet the requirements as described in Section 4.10 and conform to the conditions contained therein. On the Part 1, applicants must provide (1) information that provides utilization for the preceding six (6) months and projected monthly utilization for the next 12months; and (2) the applicant's current numbering utilization level.

5.3.3

Provide, if desired, requests for specific and alternative 5XX-NXX CO Code assignments in order of preference. The NANPA will try to satisfy such requests but cannot guarantee specific requests will be satisfied, see Section 6.4.1.1.

5.3.4

When requesting an initial 5XX-NXX CO Code, an applicant shall provide to the NANPA with the Part 1 documentation demonstrating that the required regulatory authorization has been obtained for which the 5XX-NXX CO Code is being requested (See Section 4.3.1).

5.3.5

Agree to abide by sound CO Code Conservation practices and the Reclamation procedures (see Sections 8 and 7).

5.4

5XX-NXX CO Code Holder responsibilities shall include the following:

5.4.1

Assume the responsibility for the assignment of the last four digits of the 5XX-NXX-XXXX numbers and the maintenance of up-to-date assignment records that match 5XX-NXX-XXXX numbers to subscribers/devices for all allocated 5XX-NXX CO Code(s). These records will be required for Audit purposes.

5.4.2

Changes in the information associated with a 5XX-NXX CO Code assignment shall immediately be made known to the NANPA using the Part 1. Such changes may occur because of the transfer of a 5XX_NXX CO Code, through merger or acquisition, to a different company. The Code Holder of the 5XX-NXX CO Code acquired by merger, acquisition or other means must immediately inform the NANPA when the change becomes effective. This change information is required to ensure that an accurate record of the entity responsible for the code and the data associated with the code is maintained. If there are 50 or more 5XX-NXX CO Codes that need modifications on intra-company OCN changes, or inter-company OCN changes, a mass modification spreadsheet can be sent to NANPA. The NANPA website (www.nanpa.com) has the most current spreadsheet.

5.4.3

The resulting SP in a merger/acquisition must revise and provide a new, consolidated NRUF forecast for numbering resources. The holder of a CO Code assigned by the NANPA or acquired by other means such as transfer (e.g., by merger or acquisition) must use the code consistent with these guidelines. Additionally, the new CO Code Holder must participate in an Audit process, as necessary.

5.4.4

In order to retain a 5XX-NXX CO Code assignment, it is a requirement of these guidelines and the responsibility of the Code Holder to cooperate/participate in the Audit process. The purpose of an Audit is to verify compliance with provisions set forth in these Guidelines. See Section 2.11.

5.4.5

A 5XX-NXX CO Code(s) assigned to an entity, either directly by the NANPA or through transfer from another entity, shall be placed In Service within six (6) months after the original Date of Response on the Part 3 for an initial and/or growth 5XX-NXX CO Code application. See Confirmation of 5XX-NXX Code In Service – Part 4.

5.4.6

If the NANPA determines that a 5XX-NXX CO Code is not placed In Service within six (6) months from the Date of Response on the Part 3, the NANPA shall initiate the Reclamation procedures (See Section 7).

5.4.7

All 5XX-NXX CO Code Holders shall provide forecasted 5XX-NXX CO Code requirements and utilization data to the NANPA via semi-annual NRUF reporting (see Section 4.2). Any 5XX-NXX CO Codes that are not reported on are subject to Reclamation. All NRUF data shall be treated on a proprietary and confidential basis.

5.4.8

CO Code Holders shall immediately disconnect 5XX-NXX CO Code(s) for the reasons stated in Section 7.

5.4.9

CO Code Holders shall maintain sufficient and auditable data to demonstrate compliance with these guidelines.

6. Responsibilities of NANPA

The NANPA shall:

6.1

Provide general information on the structure and limitations of 5XX-NXX CO Code assignments and, on request, copies of the Non-Geographic 5XX-NXX Code Assignment Guidelines, including timely notification of changes.

6.2

Provide 5XX-NXX CO Code applicants/holders assistance in completing the Non-Geographic 5XX-NXX Code Forms.

6.3

Track 5XX-NXX CO Code requests and make 5XX-NXX CO Code assignments on a first come, first served basis.

6.4

Upon receipt of a Part 1, the NANPA shall process the application for 5XX-NXX CO Codes and should follow these steps:

6.4.1

Determine if the request is in compliance with 5XX-NXX CO Code assignment principles and criteria as set forth in these guidelines.

6.4.1.1

Based on the availability of the 5XX-NXX CO Codes, an attempt will be made to assign the preferred CO Code as listed on the Part 1. If two applicants request the same 5XX-NXX CO Code simultaneously (i.e., the requests are received by the NANPA with the same time and date stamp) one of the applicants would be randomly selected to receive the 5XX-NXX CO Code.

6.4.1.2

An analysis will be performed to determine if any one (1) 5XX-NXX CO Code is more appropriate than any other code due to a technical requirement or constraint.

6.4.1.3

The NANPA may discuss with the applicant if one of the current 5XX-NXX CO Codes from the existing resource pool is appropriate and select an unassigned CO Code for assignment.

6.4.1.4

Provide a disposition on a 5XX-NXX CO Code request via a Part 3. The possible dispositions are; i.e., Assigned, Suspended, Denied, and Withdrawn. The NANPA shall respond via Part 3 within seven (7) calendar days from receipt of the Part 1. The response shall include:

- 1) When assigned: The 5XX_NXX CO Code(s) actually assigned.
- 2) When suspended: The reason(s) for the suspension and any action/information required by the applicant. The applicant will have seven (7) calendar days to provide the additional information after which NANPA will deny the request.

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- 3) When denied: The reason(s) for denial and instructions on how and where to make an appeal of the decision.
- 4) If withdrawn: Acknowledgment of the request to withdraw.

6.4.2

If the application is approved and a 5XX-NXX CO Code(s) is assigned, the NANPA shall immediately notify the iconectiv® Telecom Routing Administration (TRA) of the assigned 5XX-NXX CO Code(s) and the CO Code Holder's identification information for publication; e.g., in the iconectiv LERG Routing Guide. The TRA shall input the 5XX-NXX CO Codes in Business Integrated Routing and Rating Database System (BIRRDs) within five (5) business days of receiving the notification.

6.4.3

Records on 5XX-NXX CO Codes assignments and resource availability shall be updated on the NANPA website.

6.4.4

In the case where 100 or more 5XX-NXX CO Codes are assigned to a single OCN in a calendar month, the NANPA shall report to the appropriate regulator(s) the OCN(s) to which the 5XX-NXX CO Codes were assigned.

6.5

Ensure applicant has a current NRUF Report (See NRUF Reporting Guidelines) on file with the NANPA for the non-geographic 5XX NPA(s). If an NRUF Report is not on file, the NANPA shall deny future 5XX-NXX CO Code requests from that delinquent SP until a current NRUF Report has been submitted.

6.6

Use historical 5XX-NXX CO Code assignment data and semi-annual NRUF forecast data to monitor the rate and level of 5XX-NXX CO Code assignments, predict the exhaust of the currently implemented non-geographic 5XX NPAs, and also predict the overall exhaust of all designated non-geographic 5XX NPAs. Report these findings, on a semi-annual basis, to the industry (see Section 9.0).

6.7

If one or more 5XX-NXX CO Codes have not been placed In Service within six (6) months from the Date of Response returned on the Part 3, the NANPA shall begin the Reclamation procedures.

6.8

In the performance of its duties and in meeting its responsibilities, the NANPA may encounter situations that may alert them to a possible non-compliance with the industry guidelines which warrants the need for a for cause Audit. In these situations, the NANPA will inform and forward relevant information which contains the details of the possible infraction to the designated Auditor or appropriate regulatory agency for disposition.

In addition, the NANPA may be required to provide SP-specific data to an Auditor in order to facilitate the Audit process.

6.9

Perform Reclamation procedures outlined in Section 7, as needed.

7. Code Reclamation Procedures

Reclamation refers to the process by which SPs are required to return numbering resources to the NANPA. For applications within the United States, the FCC Wireline Competition Bureau (FCC) has the authority to investigate and determine whether 5XX-NXX CO Code Holders have placed into service the 5XX-NXX CO Codes assigned to them within the applicable time frames. Such circumstances are under the direction of the FCC, and the NANPA shall abide by the FCC's determination. SPs shall have an opportunity to explain the circumstances causing the delay in commencing assignment of their numbering resources to the FCC prior to Reclamation of the 5XX-NXX CO Code(s).

7.1

A 5XX-NXX CO Code Holder shall disconnect the resource to the NANPA if the 5XX-NXX CO Code:

- is no longer needed for the purpose for which it was originally assigned,
- was assigned for a service that has been discontinued, or
- was not placed In Service within six (6) months from the Date of Response on the Part 3.

In the latter case, the assignee may apply to the FCC for an extension date. Such an extension request must include the reason for the delay and a new In Service time commitment.

7.2

The NANPA shall contact any resource assignee(s) identified as not having disconnected to the NANPA for reassignment of any 5XX-NXX resource:

- Assigned, but no longer in use by the assignee(s),
- Assigned to a service no longer offered,
- Assigned, but not In Service within six (6) months from the Date of Response on the Part 3, or
- Assigned but not used in conformance with these assignment guidelines.

If a Part 4 has not been received by the NANPA during the first five (5) months following the Date of Response returned on the Part 3, then the NANPA will send via email a reminder notice to the 5XX_NXX CO Code assignee.

If the NANPA has not received a Part 4 from the assignee by the due date, the assignee is no longer able to submit the Part 4 via the NAS. The NANPA shall then send, via email, a notice to the assignee regarding the delinquent Part 4. The notice shall be sent one (1) day after the Part 4 due date, and shall direct the assignee to do one of the following immediately:

- If the 5XX-NXX CO Code is In Service, submit a manual Part 4 to the FCC.
- If the 5XX-NXX CO Code is no longer needed or not In Service, disconnect the 5XX-NXX CO Code by submitting a Part 1.
- Request an extension from the FCC.

The NANPA will make all disconnected resources available for assignment after 45 days.

In the case where a 5XX-NXX CO Code is abandoned, NANPA may not have prior knowledge of the situation. Further, NANPA may be unable to contact the incumbent Code Holder concerning the status of the 5XX-NXX CO Code. Often, customer complaints or information provided by SPs are the way that NANPA learns of these abandoned 5XX-NXX CO Code situations. NANPA shall work closely with regulatory authorities to obtain timely information about SPs abandoning service. Such circumstances are under the direction of a regulatory authority or court. NANPA will seek guidance from the appropriate regulatory authority concerning the return of the abandoned 5XX-NXX CO Code(s). In the event that NANPA is able to reclaim the 5XX_NXX CO Codes into the 5XX-NXX inventory, NANPA will also request the iconectiv TRA to remove the record(s) from BIRRDs.

8. 5XX-NXX CO Code Conservation

Assignment of the 5XX-NXX CO Code numbering resource is undertaken with the following Conservation objectives:

- To efficiently and effectively administer/manage the NANP resource; and
- To delay the exhaust of the 5XX-NXX CO Code resources.

For 5XX-NXX CO Code Holders, the NANPA shall examine each NRUF data submission for inconsistencies or anomalies. If the NANPA identifies any significant inconsistencies or anomalies in a SP's data, the NANPA shall inform the submitting SP of its findings, after which the SP shall have five (5) business days to explain the inconsistencies or anomalies, or to resubmit the data. All information provided by the SP will be treated as proprietary and confidential by the NANPA. If, after the discussions with the SP, the NANPA preliminarily concludes that the SP's data are insufficient, then the NANPA shall report that preliminary conclusion to the FCC. The FCC may make a determination on the validity of the data and may instruct the SP on how any deficiencies should be remedied. The NANPA shall assign no additional 5XX-NXX resources to that SP until the FCC has resolved all questions regarding the inconsistency or anomaly.

9. Code Relief Planning

The NANPA's responsibilities for 5XX-NXX CO Code relief planning shall include the following:

9.1

5XX-NXX CO Code assignments will be tracked and monitored, and when the projected exhaust is within four (4) years relief planning activities will be initiated within the industry.

9.2

When the assigned 5XX NPAs are projected to exhaust within four (4) years, the NANPA will examine the available options and in consultation with the INC will assign another NPA code.

9.3

The NANPA, six (6) months prior to the exhaust of the 5XX NPA resource, shall notify the industry of the next 5XX NPA to be made available after 100% of the assignable 5XX-NXX CO Codes are assigned. All existing 5XX-NXX CO Codes must be assigned from the currently assignable 5XX NPA inventory before any newly available 5XX-NXX CO Codes will be assigned.

10. Maintenance of Guidelines

It may be necessary to modify the guidelines periodically to meet changing and unforeseen circumstances. Questions regarding the maintenance of the guidelines may be directed to the NANPA at support@nanpa.com.

Requests for changes to these guidelines should be directed to the appropriate industry forum, currently the INC.

11. Appeals Process

Disagreements may arise between the NANPA and 5XX-NXX CO Code applicants/holders in the context of the administration of these guidelines. In all cases, the NANPA and 5XX-NXX CO Code applicants/holders will make reasonable, good faith efforts to resolve such disagreements among themselves consistent with the guidelines prior to pursuing any appeal. Appeals may include but are not limited to one or more of the following options:

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- The 5XX-NXX CO Code applicant/holder will have the opportunity to resubmit the matter to the NANPA for reconsideration with or without additional input.
- Guidelines interpretation/clarification questions may be referred to the body responsible for maintenance of the guidelines. Unless otherwise mutually agreed to by the parties, these questions will be submitted in a generic manner protecting the identity of the appellant.
- The NANPA and 5XX-NXX CO Code applicant/holder may pursue the disagreement with the appropriate governmental/regulatory authority.

Reports on any resolution resulting from the above options, the content which will be mutually agreed upon by the involved parties, will be kept on file by the NANPA. At minimum, the report will contain the final disposition of the appeal; e.g., whether or not a 5XX-NXX CO Code was assigned.

12. 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/> >.

12.1 Definitions

Assigned Numbers	Assigned numbers are numbers working in the Public Switched Telephone Network (PSTN) under an agreement such as a contract or tariff at the request of specific end users or customers for their use, or numbers not yet working but having a customer service order pending. Numbers that are not yet working and have a service order pending for more than five calendar days shall not be classified as Assigned Numbers (47 CFR § 52.15 (f) (1) (iii)). Note: in the current context of these Non-Geographic 5XX-NXX Code Assignment Guidelines, working in the PSTN means using a North American Numbering Plan (NANP) (E.164) addressing scheme.
Audit	The accumulation and evaluation of evidence about documented information of an Auditee to determine and report on the degree of compliance with INC industry guidelines.
Auditee	The Service Provider (SP)/North American Numbering Plan Administrator (NANPA)/Pooling Administrator (PA) that is the subject of an Audit.
Auditor	The Federal Communications Commission (FCC) Common Carrier Bureau's Audits Branch of the Accounting Safeguards Division or its other designated agents perform audits of US numbering resources. (FCC 00-429 ¶ 90). State Commissions also may conduct Audits. (FCC 01-362 ¶101).
Authorized Representative	The person from the applicant's/holder's organization or of code applicant/holder its agent that has the legal authority to take action on behalf of the applicant/holder.
Available Numbers	Available Numbers are numbers that are available for assignment to subscriber access lines, or their equivalents, within a switching entity or point of interconnection and are not classified as assigned, intermediate, administrative, aging, or reserved. Available Numbers is a residual category that can be calculated by subtracting a sum of numbers in the assigned, reserved, intermediate, aged, and administrative primary categories from the total of numbers in the inventory of a Code Holder. See also 47 CFR § 52.15 (f) (1) (iv).
Code Administrator	Entity(ies) responsible for the administration of the NXXs within a Number Plan Area (NPA). In the United States and its territories, this is currently the North American Numbering Plan Administrator (NANPA).

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	See also 47 CFR §52.15. Current contact information for 5XX-NXX administration is the (NANPA) at https://www.nanpa.com
Code Holder	An assignee of a full 5XX-NXX CO Code which is not in a pool.
Conservation	Consideration given to the efficient and effective use of a finite numbering resource in order to minimize the cost and need to expand its availability in the introduction of new services, capabilities and features.
Industry Numbering Committee (INC)	A standing committee of the Alliance for Telecommunications Industry Solutions (ATIS) that provides an open forum to address and resolve industry-wide issues associated with the planning, administration, allocation, assignment and use of numbering resources and related dialing considerations for public telecommunications within the North American Numbering Plan (NANP) area.
Initial Code	5XX-NXX CO Code(s) assigned to a Service Provider (SP) upon its first North American Numbering Plan Administrator (NANPA)-approved 5XX-NXX CO Code application.
In Service	A code that appears in the LERG Routing Guide and one or more Telephone Numbers (TNs) from the 5XX-NXX CO Code are assigned to end users or customers. Numbers that are categorized as Administrative, Aging, Intermediate, Reserved or Available cannot also be Assigned and do not satisfy the In Service requirement.
Interconnected Voice over Internet Protocol (VoIP) Service Provider	<p>An entity that provides interconnected VoIP service, as that term is defined in 47 U.S.C. § 153(25) (47 CFR § 52.5 (b)).</p> <p>Interconnected VoIP providers are providers of a service that (1) enables real-time, two way voice communications, (2) requires a broadband connection from the user's location, (3) requires Internet protocol-compatible customer premises equipment, and (4) permits users generally to receive calls that originate on the Public Switched Telephone Network (PSTN) and to terminate calls to the public switched telephone network (47 CFR § 9.3).</p>
FCC Registration Number (FRN)	A ten-digit number assigned by the Federal Communications Commission (FCC) to an entity that does business with the FCC. A filer, licensee, certificate holder, or any entity sending payments to the FCC is considered to be doing business with the FCC. The FCC uses the FRN to determine if all of an entity's fees have been paid. The FRN is the same number used by entities on FCC Form 499-A and FCC Form 502 (NRUF Report). More information about FRNs can be obtained by calling the FRN Help Line (877-480-3201) or from the following website:

	https://fjallfoss.fcc.gov/coresWeb/publicHome.do .
LERG™ Routing Guide	The iconectiv® LERG™ Routing Guide contains information about the local routing data obtained from the Business Integrated Routing & Rating Database System (BIRRDS). This information reflects the current network configuration and scheduled network changes for all entities originating or terminating Public Switched Telephone Network (PSTN) calls within the North American Numbering Plan (NANP).
Months to Exhaust (MTE)	A calculation that is used by Service Providers (SPs) to document the need for an additional code as follows: Telephone Numbers (TNs) Available for Assignment divided by Average Monthly Forecast
North American Numbering Plan (NANP)	<p>A numbering architecture in which every station in the NANP area is identified by a unique ten-digit address consisting of a three-digit Numbering Plan Area (NPA) code, a three digit central office code of the form NNX/NXX, and a four-digit line number of the form XXXX, where N represents the digits 2-9 and X represents the digits 0-9.</p> <p>It is the basic numbering scheme for the telecommunications networks located in Anguilla, Antigua, Bahamas, Barbados, Bermuda, British Virgin Islands, Canada, Cayman Islands, Dominica, Dominican Republic, Grenada, Jamaica, Montserrat, Sint Maarten, St. Kitts & Nevis, St. Lucia, St. Vincent, Turks & Caicos Islands, Trinidad & Tobago, and the United States (including American Samoa, Puerto Rico, the U.S. Virgin Islands, Guam, and the Commonwealth of the Northern Mariana Islands) [See also 47 CFR § 52.5 (d)].</p>
North American Numbering Plan Administration (NANPA)	The NANPA is responsible for the neutral administration of North American Numbering Plan (NANP) numbering resources, subject to directives from regulatory authorities in the NANP member countries. (See also 47 CFR § 52.7 (e).) The NANPA is an impartial non-governmental entity that is not aligned with any particular telecommunications industry segment. ¹² Under contract to the Federal Communications Commission (FCC), NANPA's responsibilities include assignment of NANP resources, and, in the U.S. and its territories, coordination of area code relief planning and collection of utilization and forecast data. See also 47 CFR § 52.13.
National Exchange Carrier Association (NECA)	NECA administers the Federal Communications Commission (FCC)'s Access Charge Plan. Administration of the plan includes but is not limited to the filing of access charge tariffs with the FCC, the

¹²Administration of the North American Numbering Plan, Report and Order, CC Docket No. 92-237, 11 FCC Rcd 2588, 2608 (1995) (NANP Order).

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	<p>collection and validation of cost and revenue data and the processing of FCC Regulatory fees. Access charges are the fees long distance companies pay to access the local phone network to complete calls and ensure that telephone service remains available and affordable in all parts of the country.</p>
<p>North American Numbering Plan Numbering Resource Utilization/Forecasting (NRUF) Report</p>	<p>The North American Numbering Plan Administrator (NANPA) gathers forecast and utilization information to monitor and project exhaust in individual Number Plan Areas (NPAs)/area codes as well as in the North American Numbering Plan (NANP) overall. This semi-annual report includes number utilization information as well as a five-year forecast of demand by year. For more detailed information, see the NRUF Reporting Guidelines.</p> <p>A NPA is also called an area code. An NPA is the 3-digit code that occupies the A, B, and C positions in the 10-digit NANP format that applies throughout the NANP area. NPAs are of the form NXX, where N represents the digits 2-9 and X represents any digit 0-9. In the NANP, NPAs are classified as either geographic or non-geographic.</p> <p>A) Geographic NPAs are NPAs which correspond to discrete geographic areas within the NANP area.</p> <p>B) Non-geographic NPAs are NPAs that do not correspond to discrete geographic areas, but which are instead assigned for services with attributes, functionalities, or requirements that transcend specific geographic boundaries. The common examples are NPAs in the NYY format, e.g., 800.</p>
<p>Operating Company Number (OCN)</p>	<p>An OCN is a four place alphanumeric code that uniquely identifies providers of local telecommunications service. OCN assignments are required of all Service Providers (SPs) in their submission of utilization and forecast data (FCC 00-104, ¶ 41 and Public Notice DA 00-1549). Relative to CO Code assignments, National Exchange Carrier Association (NECA) assigned Company Codes may be used as OCNs. Companies with no prior CO Code or Company Code assignments contact NECA (www.neca.org ; 800-228-8597) to be assigned a Company Code(s). Since multiple OCNs and/or Company Codes may be associated with a given company, companies with prior assignments should direct questions regarding appropriate Operating Company Number (OCN) usage to the iconectiv® Telecom Routing Administration (TRA) (www.trainfo.com; 866-672-6997).</p>
<p>Public Switched Telephone Network (PSTN)</p>	<p>The PSTN is comprised of all transmission and switching facilities and signal processors supplied and operated by all telecommunications common carriers for use by the public. Every station on the PSTN is capable of being accessed from every other station on</p>

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	the PSTN via the use of North American Numbering Plan (NANP) E.164 numbers.
Reclamation	Reclamation refers to the process by which Service Providers (SPs) are required to disconnect and return numbering resources to the North American Numbering Plan Administration (NANPA). (See also 47 CFR § 52.15 (i) (1).)
Service Provider (SP)	SP refers to a telecommunications carrier or other entity that receives numbering resources from the North American Numbering Plan Administrator (NANPA) or a telecommunications carrier for the purpose of providing or establishing telecommunications service. For the purposes of this part, SP includes an interconnected VoIP service provider (47 CFR § 52.5 (e)).