2015 NANPA ANNUAL REPORT

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TO STAKEHOLDERS OF THE NORTH AMERICAN NUMBERING PLAN ADMINISTRATION:

It is with great pleasure that Neustar, Inc. ("Neustar") presents the 2015 North American Numbering Plan Administration (NANPA) Annual Report. This annual report covers NANPA activities from January 1, 2015 through December 31, 2015.

The NANPA annual report focuses on the administration of the various numbering resources of the North American Numbering Plan (NANP). This report provides a picture of the state of the NANP at the end of 2015 and is a comprehensive description of the numerous activities undertaken by NANPA during the year. The data included in this report comes from the NANPA website where you can locate the latest numbering information.

Neustar has served as the NANPA since 1998. Over this time frame, we have continually focused on NANPA's core responsibilities of NANP resource administration, coordination of area code relief planning and the collection of utilization and forecast data from service providers. Our experience enables us to fully understand the critical nature of the services that NANPA provides the Federal Communications Commission, state regulatory commissions, the telecommunications industry and the general public. Looking forward, we remain committed to providing high quality, neutral, third party administration of the NANP and maintaining the trust you have placed in us.

Feel free to contact any of the NANPA staff or me with any comments, suggestions or concerns. Thank you for the opportunity to serve as NANPA.

Sincerely,

John C. Manning
Sr. Director, NANPA
Neustar, Inc. (Neustar)

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The North American Number Plan

History

The North American Numbering Plan (NANP) was developed by AT&T in 1947 to simplify and facilitate direct dialing of long distance calls. NANP telephone numbers are ten-digit numbers consisting of a three-digit Numbering Plan Area (NPA) code, commonly called an area code, followed by a seven-digit local number.

The NANP is an integrated numbering plan serving twenty North American countries that share its resources. Regulatory authorities in each participating country have plenary authority over numbering resources, but all participating countries, implicitly or explicitly, share numbering resources cooperatively. This approach has been successful for nearly seventy years.

North American Numbering Plan Administration

AT&T administered shared numbering resources such as area codes until divestiture of the Bell System in 1984, when these functions were transferred to Bellcore under the Plan of Reorganization. On October 9, 1997, the Federal Communications Commission (FCC), acting on a recommendation of the North American Numbering Council (NANC), named Lockheed Martin to serve as administrator of the North American Numbering Plan (NANPA). In December 1999, NANPA was transitioned from Lockheed Martin to Neustar. In July 2003, the FCC selected Neustar through a competitive bid to serve as NANPA. In June 2012, Neustar was again selected by the FCC to serve as the NANPA for another five-year term.

Regulatory authorities in various NANP countries have named national administrators to oversee the numbering resources assigned by NANPA for use within their countries. Neustar is the national administrator for the United States (U.S.) and its territories. Leidos Canada Inc. serves as the Canadian Numbering Administrator. In other participating countries, regulatory authorities either serve as the national administrator or delegate the responsibility to the dominant carrier. NANPA, in its overall coordinating role, consults with and provides assistance to those regulatory authorities and national administrators to ensure that numbering resources are used in the best interests of all participants in the NANP.

NANPA is not a policy-making entity. In making assignment decisions, NANPA follows regulatory directives and industry-developed guidelines. The NANC, via its Numbering Oversight Working Group (NOWG), provides continuous oversight of NANPA on behalf of the NANC and evaluates NANPA's performance each year.

NANPA has three core responsibilities: administration of NANP resources, coordination of area code relief planning and collection of utilization and forecast data from service providers.

NANPA Funding

The NANPA function is performed under an FCC contract on a fixed-price basis.

Costs associated with the administration of shared numbering resources are allocated to participating countries based on population and then further adjusted based on NANPA services used by each country. Participants pay only their share of the costs of the NANPA services they require. Regulatory authorities in each participating country determine how to recover these costs.

In the U.S., which pays most of the cost, NANPA is funded by the telecommunications industry under an arrangement specified in FCC rules (47 C.F.R. §52.17). Telecommunications carriers in the U.S. complete a Telecommunications Reporting Worksheet (FCC Form 499-A) which specifies the information needed to calculate the fee. Each telecommunications carrier's end user telecommunications revenue for the prior calendar year is multiplied by a contribution factor to obtain the fee payable. The minimum fee is $25.

NANPA Neutrality

In accordance with FCC regulations, the NANPA shall be a non-governmental entity that is impartial and not aligned with any particular telecommunications industry segment. Accordingly, while conducting its operations, the NANPA may not be an affiliate of any telecommunications service provider(s) as defined in the Telecommunications Act of 1996. "Affiliate" is a person who controls, is controlled by, or is under the direct or indirect common control with another person. Further, the NANPA and any affiliate thereof, may not issue a majority of its debt to, nor may it derive a majority of its revenues from, any telecommunications service provider. "Majority" shall mean greater than 50 percent, and "debt" shall mean stocks, bonds, securities, notes, loans, or any other instrument of indebtedness.

Notwithstanding the neutrality criteria set forth above, the NANPA may be determined to be or not to be subject to undue influence by parties with a vested interest in the outcome of numbering administration and activities. The NANC, as a federal advisory committee to the FCC, may conduct an evaluation to determine if the NANPA meets the undue influence criterion.

NANP Administration System

The NANP Administration System (NAS) provides an automated system for processing number resource applications, collecting resource utilization and forecast data and issuing notifications to the industry on numbering matters. Introduced in 2004, NAS is the primary tool used by federal and state regulators, service providers, service provider consultants and the NANPA in the assignment and administration of the various NANP resources.

At the end of 2015, there were 1,297 registered NAS users. Over 1,200 were service provider or service provider consultant users. Forty-five of the users represented federal and state regulatory users. Forty "Other" users were registered in the system. Along with the NAS-registered users, there were 2,679 email list participants. Email list participants receive NANP notifications but do not have access to NAS functionality.

In 2015, NANPA upgraded the NAS application software (Oracle WebLogic) to Version 12.1 and added memory to the application servers. The NANPA public website was converted from HTTP to HTTPS in response to an Office of Management and Budget directive that federal government websites only use secure HTTPS connections. For one week in October, NAS operated out of the Charlotte, NC location, ensuring the NAS-redundant location was fully functional and could operate as the primary NAS site as required per the NANPA contract. Finally, numerous software modifications were deployed in NAS to enhance system functionality.

Seven NAS trouble tickets were opened in 2015. Two of these tickets involved a user's NAS profile. Three tickets were related to the reclamation record associated with a central office code. One ticket dealt with updating NAS to include the new 588 non-geographic area code. The remaining ticket concerned updates to the mass modification process that is used by service providers when making changes to a large number of assigned central office codes. One ticket, opened in late 2014, relating to the ability of the user to update the user's NAS profile, was also closed in 2015.

Below is a discussion of the NAS functionality and how the system supports the assignment and administration of NANP resources.

NAS Central Office Code Administration

NAS mechanizes central office (CO) code administration by processing the following code requests: Part 1 (Central Office Code Assignment Request form), Months to Exhaust Worksheet (required when requesting additional central office codes in a rate center) and Part 4/Part 4-PA (Confirmation of Code In-Service forms). NAS issues a Part 3 (Central Office Code Administrator's Response/Confirmation form) to provide a disposition on the Part 1 request and a Part 5 Form, used to confirm NANPA's receipt of a Part 4. NAS allows users to complete and submit these forms on-line, as well as processes and stores these forms.

NAS auto-populates specific fields within CO code applications with information contained in the user's profile and provides drop-down menus for certain data required on the different forms such as Operating Company Numbers (OCNs), NPAs and rate center information. System checks ensure that all required fields are populated and that the information supplied is validated prior to submission. Supporting documentation associated with an application is provided to NANPA via fax or email. Such documentation includes evidence of certification and facilities readiness for initial code applications, evidence of safety valve waiver approvals, relinquishment information for transfers and documentation necessary for expedited code activations, modifications and returns.

Once NAS validates an application's content and accepts it for processing, the applicant receives confirmation via a tracking number, indicating that the code request was successfully submitted. NAS will also permit code applicants to search for previously-submitted forms.

NAS also supports an interface with the Pooling Administration System (PAS). This interface permits the service provider to submit the information needed to apply for a central office code (i.e., Part 1) in a pooling rate center into PAS. In addition, users may submit changes to the information associated with a pooled central office code or return a pooled code. PAS forwards this data to NANPA via the NAS/PAS interface. This process includes the submission of the appropriate Months-to-Exhaust Form required with any central office code growth request. Once received by NAS, the Part 1 request appears in the work item list of the NANPA Code Administrator. When the Code Administrator processes the central office code application, NAS emails the Part 3 Administrator's Response/Confirmation to the applicant and the Pooling Administrator (PA) as well as sends it via the NAS/PAS interface to PAS. The Part 4 and Part-4A (submitted by the Pooling Administrator) are also sent via the interface.

5XX NPA Resource Administration

Similar to CO code administration, NAS also mechanizes the process for applying for 5XX-NXX codes using the following forms: Part A (5XX-NXX Code Assignment Request/Return Notification/Information Change form) and Part C (Confirmation of 5XX-NXX Code In-Service form).

NANP Administration System

When the Resource Administrator processes the 5XX-NXX application, NAS generates a Part B (5XX-NXX Code Assignment Confirmation form) to provide a disposition on the Part A request. All submitted forms are stored in NAS.

NAS auto-populates specific fields within 5XX-NXX applications with information contained in the user's profile and provides drop-down menus for certain data required on the forms such as NPA and OCN. System checks ensure that all required fields are populated and certain information supplied is validated prior to submission. Once NAS accepts the application for processing, the applicant receives confirmation via a tracking number, indicating that the request was successfully submitted. NAS will also permit applicants to search for previously-submitted forms. Finally, NAS provides real-time reports on the assignment status of this numbering resource. These reports are accessible through the 'Reports' section of the NANPA website.

Applying On-line for Other Numbering Resources

NAS allows on-line application submissions not only for central office codes, but also for other NANP resources such as NPAs, Carrier Identification Codes (CICs), 9YY-NXX codes, NPA 456-NXX codes, 800-855 line numbers and 555 line numbers. In addition, NAS provides real-time reports on the assignment status of these numbering resources. These reports are accessible through the 'Reports' section of the NANPA website.

NANP Notification System

The NANP Notification System (NNS) provides a vehicle for NANPA to distribute notifications when significant events occur. Notifications fall under two categories: Geographic and Non-Geographic Notifications. Geographic Notifications are those issued for documents that have been generated for specific states and/or NPAs. Non-Geographic Notifications are those that relate to the entire NANP and are not related to a specific state or NPA.

Geographic notifications available to the public include:

- New processes and changes in central office code administration that affect specific states and/or NPAs;
- NPAs moving into or out of jeopardy status or other changes to the jeopardy status of an NPA;
- Announcements by regulators of changes that affect NANP processing; and
- Data related to the status of resources associated with state conservation deliberations.

Non-geographic notifications available to the public include:

- Changes in Industry Numbering Committee (INC) administration guidelines;
- Updates on the NRUF Form 502 and associated job aids, as well as procedural changes (such as the introduction of new data fields);
- Changes to NANPA processes that will affect customers;
- NANPA Planning Letters and quarterly Newsletters;
- International activities impacting the NANP and NANP Administration;
- New and/or revised NPA and NANP exhaust projections;
- Reminders relating to semi-annual CIC reporting requirement;
- Scheduled system maintenance and system availability issues; and
- Client education, new forms and tools.

In addition to distributing notices, NAS also has the capability to include attachments to the notices, allowing NANPA to transmit certain documentation (e.g., quarterly NANPA Newsletters) directly to users. NAS also permits users to search for specific notices based upon a particular time period. Notifications concerning NPA relief planning activity remain limited to only the service provider industry and appropriate regulatory agencies.

NANPA distributed 150 notifications in 2015. The chart below illustrates the quantity of notifications distributed by category. All notifications are retained in NAS.

Notification Category	Number of Notifications
NPA Relief Planning	88
Non-Geographic	28
Planning Letters	11
NRUF	9
INC Guidelines	6
Newsletters	4
Code Administration	3
Jeopardy	1
Other Geographic	0
Total	150

NANP Administration System

NAS NRUF

NRUF reporting is a semi-annual process whereby service providers submit utilization and forecast information to NANPA for use in the development of NPA and NANP exhaust projections. NANPA collects and stores this information and provides it to the FCC and state commissions. Service providers also submit utilization and forecast information for resources assigned from the non-geographic 5XX NPA and 9YY NPAs. This data is provided to the FCC. Service providers are required to report by February 1 and August 1 of each year and may submit updates and corrections to their submissions at any time during the current reporting cycle.

NAS permits service providers to submit their utilization and forecast data via email (i.e., Excel™ spreadsheet), Electronic File Transfer (EFT) using secure FTP, compact disk (CD) or on-line. With the on-line method, service providers log into NAS and enter the data requested in the various worksheets contained in the NRUF Form 502. In addition, since many service providers have the need to submit NRUF data between reporting cycles (e.g., update forecast information), NAS permits service providers to update or modify previously-submitted utilization and forecast data for the current reporting cycle. This on-line capability is available for geographic and the 5XX and 9YY non-geographic NPAs.

NAS Reports

NAS provides a number of real-time reports concerning NANP resource assignment and availability, including NPAs, central office codes, CICs, 5XX-NXXs, 9YY-NXXs and 555 line numbers. These reports are available on the NANPA website.

In addition to resource availability, NAS permits both service providers and regulators access to numerous NRUF queries and reports. Information provided in these queries is driven by the user's NAS profile. For example, service providers' access is limited to their own information, while state regulators have access to all utilization and forecast data for the area codes in their respective states.

NAS User Registration

All users of NAS are required to register in the system. The registration process allows a user to select from a variety of resource subscriptions depending on the user's needs.

There are different types of NAS users, including service providers, service provider consultants, federal and state regulators and other individuals or entities with a valid interest in number administration matters. For each user type, specific NAS capabilities are available for use. These capabilities include the ability to 1) submit requests for central office codes (Central Office Code Administration), 2) access NRUF capabilities, 3) register for various geographic and non-geographic notifications, 4) submit applications for other NANP resources such as CICs, 5XX-NXXs, 9YY-NXXs, 456 NXXs, 800-855 line numbers and 555 line numbers and 5) submit In-Service Confirmation forms.

All registration requests are reviewed and validated prior to approval. Once NANPA approves the registration request, the user is issued a password. Passwords are randomly generated by the system and contain numbers, letters and other characters. Once registered in NAS, the user is able to update and modify their profile.

NAS has been engineered with numerous security features. NAS has specified time intervals within which a user must log into the system after their profile has been approved or system access will be denied. Users are required to update their NAS passwords every 180 days. Anytime a user contacts NANPA to re-enable their profile, the user will receive a new password that must be reset by the user within 14 calendar days of when the profile was re-enabled. If an existing NAS user fails to reset the password, the NAS profile will be suspended. NAS will continue to send NNS notices to the user whose profile is suspended, but no other NAS-generated work item-related emails will be sent to the user, nor will the user have access to NAS. The user will receive weekly reminders to contact NANPA to reset the NAS password. If the user fails to contact NANPA within 90 days of the date the NAS account is suspended, the profile will automatically be disabled and the user will cease to receive NNS notices.

Code Administration

Overview

Code administration includes receiving and processing applications for assignment, making and recording assignments, reclaiming resources that are not placed into service, updating information associated with assigned resources and keeping the industry informed as the supply of available resources approaches exhaust. The scope of code administration includes these numbering resources:

- Numbering plan area (NPA) codes (area codes);
- Central office (NXX) codes;
- 5XX-NXX codes;
- 9YY-NXX codes;
- N11 codes;
- 555-XXXX line numbers;
- Carrier identification codes (CICs);
- International inbound NPA 456-NXX codes;
- 800-855 line numbers;
- ANI II digits (Automatic Number Identification Information Integers); and
- Vertical service codes.

Subsequent sections of this report discuss each of these resources in greater detail.

Resource Report – NPA Codes

Contact: John Manning // 571-434-5770 // john.manning@neustar.biz

NPA codes, often called "area codes," are the first three digits of the 10-digit NANP telephone number. NPA codes are in NXX format, where N is any digit from 2 through 9 and X is any digit from 0 through 9. Attachment 1 to this annual report provides an inventory of NPA codes.

Most NPA codes designate specific geographic areas; for example, NPA 603 serves New Hampshire and NPA 575 covers a portion of New Mexico. NPA codes used in this manner are called geographic NPA codes. As of December 31, 2015, 367 geographic NPA codes were in service. Of these, 309 serve the U.S. and its territories, 38 serve Canada, and the remaining 20 serve Bermuda and the Caribbean countries participating in the North American Numbering Plan. Attachments 2 and 3 to this annual report are tables of geographic NPA codes currently in use, sorted by location and numerically.

Other NPA codes designate special services such as toll-free calling rather than geographic areas. These codes are called non-geographic NPA codes. Normally, NPA codes ending in a repeating digit, called "easily recognizable codes," are used to identify toll-free or other special services. Currently, 18 such codes are in use. NPA 622 was assigned in February 2015 for Canadian non-geographic services and placed into service in March. NPA 588 was assigned to augment the 5XX NPAs and went into service in September 2015. Attachment 4 lists the non-geographic NPA codes currently in service.

Introduction of a new geographic NPA code follows a plan and schedule approved by regulatory authorities. The plan is summarized in one or more planning letters on the NANPA website. Once an NPA code is assigned for a geographic area or special service, an implementation period follows. The most visible implementation activities include preparing the network to accept the new NPA code, introducing any required changes to the dialing plan and informing the public about how the new code is to be used. The new code is said to be "in service" when it becomes generally dialable.

Code Administration

2015 Activities

Seven new NPA codes were introduced in 2015, as shown in the table below.

Table 1: NPAs Introduced in 2015

NPA	Date In Service	Location	Overlay?	Parent NPA	Planning Letter Number(s)	NPA Overlay Complex
930	3/7/15	Indiana	Yes	812	479 457	812/930
628	3/21/15	California	Yes	415	461	415/628
622	3/23/15	Canada Non-geographic	No	None	484 478	None
629	3/28/15	Tennessee	Yes	615	459	615/629
220	4/22/15	Ohio	Yes	740	471 462	740/220
588	9/9/15	Non-geograhic	Yes	577	487 486 479	500/533/544/ 566/577/588
854	10/19/15	South Carolina	Yes	843	474 463	843/854

Six NPAs were assigned this past year. NPA 463 was assigned as the relief area code for the Indiana 317 area code. NPA 680 was assigned as the relief area code for the New York 315 NPA. NPA 986 was assigned as the relief code for the Idaho 208 area code. NPA 332 was assigned as the relief code for the New York 212/646/917 overlay complex. Finally, both the 588 and 622 non-geographic NPAs were assigned and introduced in 2015.

At year end, 24 previously-assigned NPA codes remained to be introduced, as shown in Table 2. The "status" column provides the key to understanding the table. A status of "pending" indicates that the industry or regulatory authority has yet to determine an in-service date for the new code. Typically this means that the new NPA will not be introduced until additional numbers are needed. A status of "suspended" indicates that the regulatory authority has placed the plan for introducing the new code on hold and that the plan may be canceled or revised in the future. "Scheduled" means a specific in-service date has been identified for the new NPA.

Code Administration

Table 2: NPAs planned but not yet introduced (as of December 31, 2015)

New NPA	Location	Country	Anticipated In Service Date	Parent NPA	Status	Planning Letter Number(s)
227	Maryland	US		301/240	Pending	
274	Wisconsin	US		920	Pending	442 417 385
283	Ohio	US		513	Suspended	316 286 264
327	Arkansas	US		870	Suspended	437 400
332	New York	US	9/5/17	212/646/917	Pending	489
380	Ohio	US		614	Suspended	317 297 290
447	Illinois	US		217	Pending	
463	Indiana	US	10/17/16	317	Pending	482
464	Illinois	US		708	Pending	195
548	Ontario	Canada	6/4/16	519/226	Scheduled	472 467
557	Missouri	US		314	Suspended	303 279 261
564	Washington	US		206/253/360/425	Suspended	298 239 196
659	Alabama	US		205	Pending	289 284
679	Michigan	US		313	Pending	227 209
680	Ohio	US	2/27/16	614	Pending	485
689	Florida	US		407	Suspended	325 323
730	Illinois	US		618	Pending	480 473
743	North Carolina	US	5/23/16	336	Scheduled	469
822	NANP area (Toll-Free)			800	Pending	214
825	Alberta	Canada	4/9/16	780	Scheduled	480 473
833	NANP area (Toll-Free)			800	Pending	214
934	New York	US		631	Pending	476R1
975	Missouri	US		816	Suspended	304 280 262
986	Idaho	US	9/5/17	208	Pending	490

Code Administration

Overlays

In an overlay, two or more NPA codes serve all or part of the same geographic area. The term "overlay complex" describes the list of NPA codes included in the overlay. All of the overlays in service today are full-service overlays; that is, numbers in the overlay NPA code(s) are not restricted to any specific service or services. Five NPA overlays were implemented in 2015. Listed in Table 3 are the overlay complexes in service as of December 31, 2015.

Table 3: NPA Overlays

Location	Overlay Complex
Alabama	256/938
Alberta, Canada	403/780/587
British Columbia, Canada	250/604/778/236
California	310/424
California	408/669
California*	415/628
California	714/657
California	760/442
California	818/747
Colorado	303/720
Connecticut	203/475
Connecticut	860/959
Dominican Republic	809/829/849
Florida	305/786
Florida	407/321
Florida	954/754
Georgia	404/770/678/470
Georgia	706/762
Indiana*	812/930
Illinois	312/773/872
Illinois	630/331
Illinois	815/779
Illinois	847/224
Kentucky	270/364
Manitoba, Canada	204/431
Maryland	301/240
Maryland	410/443/667
Massachusetts	508/774
Massachusetts	617/857
Massachusetts	781/339
Massachusetts	978/351
Michigan	248/947
Mississippi	601/769
Nebraska	402/531
Nevada	702/725
New Jersey	201/551
New Jersey	732/848
New Jersey	973/862
New York	212/646/917
New York	718/347/917/929
North Carolina	704/980
North Carolina	919/984
Nova Scotia/Prince Edward Island	902/782
Ohio	330/234
Ohio	419/567
Ohio*	740/220
Oklahoma	918/539
Ontario, Canada	416/647/437
Ontario, Canada	519/226
Ontario, Canada	613/343
Ontario, Canada	705/249
Ontario, Canada	905/289/365
Oregon	503/971
Oregon	541/458
Pennsylvania	215/267

Code Administration

Location	Overlay Complex
Pennsylvania	412/724/878
Pennsylvania	570/272
Pennsylvania	610/484
Puerto Rico	787/939
Quebec, Canada	418/581
Quebec, Canada	450/579
Quebec, Canada	514/438
Quebec, Canada	819/873
Saskatchewan, Canada	306/629
South Carolina*	843/854
Tennessee*	615/629
Texas	214/469/972
Texas	512/737
Texas	713/281/832/346
Texas	817/682
Texas	903/430
Utah	801/385
Virginia	703/571
West Virginia	304/681
Wisconsin	715/534

*New in 2015

Dialing Plans

Each NPA has a basic dialing plan, which indicates the dialing pattern to be used for various types of calls originating in that NPA. In the U.S., dialing plans vary from state to state and from NPA to NPA. Basic dialing plans for U.S. NPAs are listed in Attachment 5 to this annual report.

Key variables in determining a dialing pattern are 1) whether or not the call originates and terminates within the same NPA, 2) whether the call is a local or toll call and 3) whether the call requires special handling (e.g., credit card, third-party billing, or operator assistance). Dialing patterns in the U.S. have been largely standardized. Local calls originating and terminating within the same NPA are usually dialed on a seven-digit basis, omitting the area code, except in overlay areas where the NPA must be dialed. Toll calls originating in one NPA and terminating in another are usually dialed with a prefix "1" followed by the ten-digit number. Special handling calls are always dialed with a prefix "0" followed by the ten-digit number.

Most of the variations in basic dialing plans involve toll calls originating and terminating within the same NPA (home-NPA toll calls) and local calls originating in one NPA and terminating in another NPA (foreign-NPA local calls). In states where the prefix "1" is considered to be a toll indicator, home NPA toll calls are usually dialed as "1" followed by the ten-digit number, and foreign NPA local calls are dialed using the ten-digit number without a prefix. In states where the prefix "1" is used to indicate that a ten-digit number will follow, home-NPA toll calls are dialed using just the seven-digit number and foreign-NPA local calls are dialed as "1" followed by the ten-digit number.

Dialing patterns within an NPA also may vary according to service provider capabilities. In addition, in many areas where NPA boundaries split local calling areas, state regulatory commissions and service provider tariffs allow seven-digit dialing across NPA boundaries, including across state lines.

Code Administration

Resource Report – Central Office Codes

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Central office (CO) codes, also known as prefixes, exchanges, or NXX codes, are digits 4 through 6 of the 10-digit telephone number. The following discussion addresses central office codes within geographic area codes.

NANPA administers all geographic central office codes in the U.S. and its territories. The Canadian Numbering Administrator performs this function in Canada. In the remaining NANP countries, regulatory authorities are playing an increasingly active role in central office code administration as competition emerges in these countries. Contact information for regulatory and administrative personnel can be found in Attachment 10 to this annual report.

Service providers obtain numbers for their customers by applying for and receiving central office code assignments. Each central office code contains 10,000 numbers, for use in the area the code serves. Central office code requests also come from service providers through the Pooling Administrator for 1) the assignment of a Location Routing Number (LRN), 2) to replenish the inventory pool or 3) to meet a service provider's need for 10,000 consecutive telephone numbers for a single customer. NANPA tracks 157,900 assigned central office codes in the U.S. and its territories. NANPA processed 14,000 requests in 2015 (compared with 12,400 in 2014) for central office code assignments, returns or changes to existing assignments.

The FCC, in its Number Resource Optimization (NRO) order series, established detailed criteria for the assignment of initial and growth central office codes in the U.S. and its territories. The process of applying for a central office code assignment based on FCC rules and regulations is specified in guidelines developed by the industry. The latest version of the guidelines, entitled *Central Office Code (NXX) Assignment Guidelines, ATIS0300051*, can be found at the Alliance for Telecommunications Industry Solutions (ATIS) website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**.

Central Office Code Activity

Central office (CO) code monthly application and assignment activities during 2015 are shown in Table 4.

The rows in the table should be interpreted as follows:

Assignments – Applications that resulted in the assignment of a new central office code.

Changes – Applications that resulted in a change to the information associated with a code assignment, for example, a change to the OCN or switch.

Denials – Applications not meeting the criteria for assignment as prescribed by the FCC and embodied in the central office code assignment guidelines.

Cancellations – Applications canceled or withdrawn by the applicant. These applications are not counted in the total quantity of applications processed.

Canceled Returns – Applications requesting the return of an assigned code that were canceled after NANPA issued the Part 3 approving the return.

Returns – Applications requesting the return of an assigned code.

Reservations – Applications requesting and receiving a code reservation.

Total Processed – Total quantity of applications processed by NANPA.

Pooling Pass-Thru – Applications processed by NANPA that came through the Pooling Administrator.

Abandoned Codes – Quantity of codes that NANPA followed the Central Office Code (NXX) Assignment Guidelines, Appendix C, Procedures for Code Holder Exit.

Code Administration

Table 4: 2015 Monthly CO Code Activity

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Assignments	277	243	426	321	260	364	309	313	355	244	286	330	3,728
Changes	336	2,444	264	750	1,570	1,716	1,242	228	241	355	217	113	9,476
Denials	40	27	46	60	36	87	31	116	37	46	43	45	614
Cancellations (Note 1)	8	8	13	12	9	11	0	0	0	0	4	6	71
Canceled Returns (Note 1)	1	0	1	1	1	0	0	0	0	1	1	0	6
Returns	8	12	19	21	12	29	15	19	44	19	7	28	233
Reservations	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Processed	**661**	**2,726**	**755**	**1,152**	**1,878**	**2,196**	**1,597**	**676**	**677**	**664**	**553**	**516**	**14,051**
Pooling Pass-Thru	475	632	671	820	592	748	647	512	577	550	499	487	7,210
Abandoned Codes	1	3	13	120	0	3	17	24	38	9	158	0	386

Note 1: Applications that are canceled are not included in the total quantity of applications processed.

The total quantity of applications processed in 2015 (14,051) was higher than the amount in 2014 (12,400). This was due primarily to an increase in the quantity of changes submitted in 2015 (nearly 9,500) compared with 8,000 in 2014. Total assignments in 2015 (3,728) eclipsed the previous high of 3,400 in 2014. The large majority of these assignments (3,166 or 85%) were for pool replenishment. There were 415 code assignments for LRN requests, 84 for dedicated customer requests and 43 non-pooled assignments.

As part of its code administration responsibilities, NANPA assists the FCC in certain aspects of the Debt Collection Improvement Act of 1996. Specifically, NANPA withholds the assignment of numbering resources to an entity identified by the FCC as delinquent in their payments to the Commission. In 2015, 27 central office code assignment requests were denied by NANPA in compliance with this requirement.

Central Office Code Activity (Year over Year)

NANPA also tracks year over year assignment data to identify any trends in CO code assignment rates. Table 5 shows the total quantity of CO codes assigned in 2015 compared with assignments over the last ten years. Also included is the net demand for the year, reflecting the impact of codes returned during the year.

Table 5: Year over Year CO Code Assignments

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand	Quantity of Returned Codes
2005	3,312	2,307	1,005
2006	4,079	3,413	666
2007	3,216	2,467	749
2008	2,946	2,162	784
2009	2,144	1,610	534
2010	2,795	2,484	311
2011	2,889	2,273	616
2012	2,637	2,065	572
2013	2,712	2,428	284
2014	3,414	3,155	259
2015	3,728	3,495	233

Code Administration

Central Office Code Administration Quality Measurements

Central office code administration quality results for 2015 are summarized in Table 6. A detailed description of the quality measurements follows.

The table shows three primary measurements:

1. **Application processing** – NANPA is required to process central office code applications within seven calendar days of the date of receipt. The table shows the percentage of applications processed within seven calendar days, the number of applications exceeding the seven calendar day period and, for those applications requiring more than seven calendar days, the "average number of days late." The results in the table show uniform, high-quality processing.
2. **Codes assigned without a code conflict or reject** – A 'Code Conflict' occurs when a code assigned by NANPA cannot be placed into service due to a dialing conflict. A 'Code Reject' occurs when a code assigned by NANPA must be replaced because the code originally assigned cannot be placed into service.
3. **Telephone calls** – Code Administrators are required to respond to telephone calls by no later than the end of the next business day. The table shows the percentage of telephone calls returned during the required period along with the "average days late" for calls returned outside of the required period.

Table 6: 2015 CO Code Administration Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1. Percent of central office code applications processed in 7 calendar days	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Number of applications exceeding 7 calendar days	0	0	0	0	0	0	0	0	0	0	0	0
Average days late for applications exceeding 7 calendar days	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. Percent of central office codes assigned without code reject or conflict	**100%**	**100%**	**99%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
A. CO code rejects	0	0	1	0	0	0	0	0	0	0	0	0
B. CO code conflicts	0	0	0	0	0	0	0	0	0	0	0	0
3. Percent of administrator phone calls returned by end of next business day	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Total number of administrator calls	23	25	50	30	26	47	35	30	36	40	36	33
Average days late for phone calls returned late	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Code Administration

2015 Activities

Below is a summary of central office code administration activities in 2015.

Maximizing the Quantity of Available CO Codes – NANPA continuously worked with various state regulators and service providers to maximize the quantity of available CO codes. NAS was appropriately updated to ensure it accurately reflected available resources in all rate centers. A total of 90 codes became available across numerous area codes located in California, Idaho, New York, Texas and Washington.

Abandoned CO Codes – NANPA worked with the Pooling Administrator and regulators to identify abandoned CO codes. In 2015, NANPA identified 386 codes to be treated as abandoned. During the year, NANPA coordinated the recovery or transfer of 228 codes with the FCC as well as regulators in 11 states.

Education of Service Providers – NANPA disseminated notifications throughout the year of rate center consolidations and other changes taking place. NANPA reminded service providers that submitted CO code applications for assignments, changes, returns, etc. through the Pooling Administration System (PAS) to ensure their NAS Login ID matched their PAS Login ID. Beginning March 16, 2015, NANPA initiated the denial of any central office code application submitted via PAS into NAS if the NAS login ID was not active or the NAS and PAS login IDs did not match. Notifications were distributed highlighting changes in the Central Office Code Assignment Guidelines (COCAG) and the Thousands-Block Administration Guidelines (TBPAG) requiring certification of assigned numbers in a code when requesting a non-merger/acquisition type of intra-company OCN change; changes to the COCAG to allow an exception to the code transfer process to prevent the opening of a code for LRN purposes, and changes to the validations of the switching ID information provided on Part 1 (Central Office Code Assignment Request) forms.

Mass Modification Process – Service providers can submit a mass modification spreadsheet containing modifications (e.g., change in switch ID, intra-company OCN, tandem homing CLLI) to assigned central office code records when such changes impact 50 or more codes. In 2015, NANPA introduced a number of enhancements to this process, to include: 1) the identification of codes included on the spreadsheet that are either not assigned to an OCN in the user's profile or are currently vacant; 2) the identification of codes on the spreadsheet where a future event is scheduled; 3) permitting multiple types of changes on the mass modification spreadsheet and; 4) allowing the service provider to update the Parent Company OCN when submitting a mass modification for intra-company OCN changes.

Assignment of CO Codes for LRNs – NANPA continued the practice of assisting service providers and state regulators in the transfer of a central office code from one service provider to another service provider in need of a code for a Location Routing Number (LRN). NANPA coordinated with regulators, the Pooling Administrator and service providers in an attempt to transfer 20 codes in five states, where possible, to avoid opening new codes for LRN purposes.

Managing Jeopardies – When the supply of codes in a particular NPA is at risk of exhausting before a new area code or other relief measure can be introduced, NANPA declares "jeopardy" in that NPA. When jeopardy is declared, code allocations are initially set at 3 codes per month. The industry, with the assistance of NANPA Code Administration and NPA Relief Planning, develops local industry jeopardy procedure options at a meeting convened by NANPA. Once determined, local jeopardy procedures are posted on the NANPA website, **www.nanpa.com**.

At the end of 2015, two NPAs were in jeopardy (Illinois 217 and 618 NPAs). The Florida 305 jeopardy was removed in June 2015 with the expansion of the 786 overlay NPA over the Keys Rate Center.

Reclamation – Each central office code assignment has an associated "effective date" when the code will be placed in service. The assignment guidelines require that the code be placed in service no later than six months after the original effective date. The assignee confirms that the code is in service by submitting a Part 4. NANPA responds with the "Administrator's Response – Receipt of the Part 4." If a Part 4 has not been received by NANPA during the first five months following the original effective date, NANPA will send a reminder notice to the code assignee. In 2015, 3,600 Part 4s were processed by NANPA.

NANPA tracks code assignment effective dates and, if the Part 4 is not received within the six-month period following the effective date, the code is considered to be delinquent and NANPA notifies the appropriate regulatory authority. The FCC NRO orders delegated authority to the states to determine whether or not delinquent codes should be reclaimed. The FCC makes reclamation decisions for those states that decided not to participate in the process. The NANPA website provides detailed information about the reclamation process, including contact information for each participating state and the FCC.

To measure reclamation effectiveness, NANPA monitors the percentage of delinquent codes on which it begins the reclamation process, along with the number of codes recovered each month. The recovery of a code must be directed by the appropriate regulatory authority. NANPA also monitors the reclamation lists provided to the states/FCC to ensure there are no errors or discrepancies. Table 7 reflects the reclamation activity in 2015.

Code Administration

Table 7: 2015 CO Code Reclamation Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of applicable codes on which reclamation was started	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Number of codes for which a Part 4 was not rec'd 180 days after original effective date (Note 1)	11	5	13	3	23	12	10	17	11	11	7	22
Number of codes on which reclamation started late	0	0	0	0	0	0	0	0	0	0	0	0
Codes recovered (Note 2)	0	0	0	0	0	0	0	0	1	0	0	0
Number of reclamation discrepancies reported by state commission(s) regarding monthly reclamation list	0	0	0	0	0	0	0	0	0	0	0	0

Note 1: Quantity of codes for which NANPA did not receive a Part 4 in-service confirmation within 180 days after the original effective date.
Note 2: This measurement shows the quantity of codes recovered through the reclamation process (the state regulator or FCC directed NANPA to reclaim the code).

Code Administration

Resource Report – 5XX-NXX Codes

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5XX-NXX codes are 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. 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 also be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, with the ability to share information with back-office control and database systems and the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider.

NANPA assigns 5XX-NXX codes in accordance with the *Non-Geographic 5XX-NXX Code Assignment Guidelines, ATIS 0300052*, which may be downloaded from the ATIS website **(http://www.atis.org/01_committ_forums/INC/inc_docs.asp)**. It should be noted that the 5XX resource is not portable; the NXX identifies the service provider.

There were six 5XX NPAs in-service at the end of 2015: NPAs 500, 533, 544, 566, 577 and 588. In September 2015, NANPA initiated NXX assignments from the 588 NPA and published Planning Letter 487 (Assignment of NPA 588 for Non-Geographic Services). During 2015, NANPA assigned 658 new 5XX-NXX codes (yielding an average assignment rate of 55 codes per month). This compares with 639 5XX-NXX codes assigned in 2014.

At the end of 2015, a total of 4,199 5XX-NXX codes were assigned. Twenty-eight 5XX-NXX codes were returned in 2015 and 547 codes remained available for assignment. Forty-five 5XX-NXX codes are not available for assignment (5XX-555 and all 5XX-N11). Based on NRUF forecast data and assignment information, it is projected that multiple 5XX-NXXs will be needed over the next several years. Consequently, the industry reserved the following 5XX NPAs: 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.

NANPA continues to provide information concerning assignments, updates and reclamations for inclusion in the iconectiv LERG™ Routing Guide.

Resource Report – 9YY-NXX Codes

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9YY numbers are used for premium services, with the cost of each 9YY call billed to the calling party. NANPA assigns these numbers according to industry-developed assignment guidelines that may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *9YY NXX Code Assignment Guidelines, ATIS-0300060*.

Five 900-NXX codes were assigned in 2015. One code was returned.

Forty-two (42) 900-NXX codes were unavailable for assignment as of December 31, 2015. These include eight 900-N11 codes and 34 900-NXX codes reserved for Canadian use.

At the end of 2015, a total of 60 900-NXX assignments were in effect. The number of 900-NXX codes available for assignment was 698. With the quantity of available 900-NXX codes, exhaust of the 900 NPA is not an issue at this time.

NANPA continues to provide information about assignments, updates and reclamations for inclusion in the LERG Routing Guide.

Code Administration

Resource Report – 555 Line Numbers

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The intended use for 555 line numbers, in the format 555-XXXX, where X is any digit from 0 through 9, includes the provisioning of information services, but may grow to include a broad range of existing and future services as well. Assignment of 555 line numbers began in 1994. NANPA assigns these numbers according to industry-developed assignment guidelines that may be found on the ATIS website at h**ttp://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *555 NXX Assignment Guidelines, ATIS-0300048*.

In 2015, NANPA initiated an effort to determine the status of the nearly 8,000 originally-assigned 555 line numbers. Many of these numbers were assigned 15 to 20 years ago and only a few numbers (less than one percent) had ever claimed to be placed in service. In June 2015, NANPA published Planning Letter 483 (Moratorium on 555 Line Number Assignments and Requirement to Provide Information on Current 555 Assignments) which announced a moratorium on the assignment of 555 line numbers, effective June 17, 2015. PL-483 requested those assignees who claimed their 555 line number to be in service and thus dialable on the PSTN to provide the following information: 1) the date the resource was placed in service, 2) the area code(s) in which calls to the 555 number can be successfully completed and 3) the service provider(s) network within which the 555 line number is working. Further, it reiterated the requirement that 555 line number(s) not in service must be returned to NANPA.

No 555 line numbers were assigned in 2015. As a result of NANPA's efforts, 4,955 numbers were returned or reclaimed. At the end of 2015, a total of 2,667 national assignments and 230 non-national line number assignments (196 actual line numbers, assigned to one or more assignees in one or more NPAs) were in effect. In addition, 116 line numbers remain in "dispute" status and 100 line numbers are reserved for the entertainment/advertising industries. At year end, 6,921 555 line numbers were not assigned, but considered unavailable for assignment due to the current moratorium.

NANPA's 555 line number reclamation efforts will continue in 2016. At the conclusion of this project, NANPA will provide a final report on its efforts and make a recommendation concerning the future of this resource.

Resource Report – Carrier Identification Codes

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Carrier Identification Codes (CICs) are four-digit codes used to route and bill telephone traffic. Typically, an entity acquires a CIC assignment by purchasing Feature Group B (FG B) or Feature Group D (FG D) access from an access service provider. NANPA also assigns FG D CICs to "switchless resellers" without the requirement to purchase FG D trunk access before applying for a CIC. Finally, billing and collection clearinghouses ("BC clearinghouses") are allowed to obtain FG D and "matching" FG B CICs without the requirement to purchase access. A "BC clearinghouse" is only allowed to apply for a CIC under circumstances when the use of an ABEC (Alternate Billing Exchange Code) is not permitted as an identifier and/or when the use of an ABEC has been determined as technically non-feasible.

In the U.S., all applicants apply to NANPA directly for CIC assignments (via NAS). If the applicant is a long distance carrier, the access provider must separately provide NANPA with a copy of the Access Service Request (ASR) to verify that FG D trunk access has been ordered. If the CIC applicant is a Local Exchange Carrier (LEC), incumbent LEC (ILEC) or competitive LEC (CLEC), a copy of the authorization from a state regulatory commission granting the applicant authority must separately be provided to NANPA in support of their CIC application. If the applicant is a switchless reseller, it must separately provide NANPA with documentation that validates "switchless reseller" status. State regulatory commission certification is required unless the state does not issue switchless reseller certification. If the state does not issue such certification, a written statement by an officer of the applicant company will be accepted to verify "switchless reseller" status. In Canada, companies apply for CICs to the Canadian Numbering Administrator (CNA), who verifies that Canadian regulatory requirements have been met. The CNA then submits the application to NANPA via NAS on behalf of the applicant.

Industry-consensus guidelines for the administration of CICs may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The assignment guidelines require all CIC assignees to submit Entity semi-annual CIC reports. In addition, access providers providing FG B and/or FG D access service, particularly access providers with more than 30 CICs programmed in their switches, are required to submit Access Provider semi-annual CIC access/usage reports to NANPA for analysis.

Code Administration

Information contained in these reports serves as the basis for NANPA's reclamation of CICs in an ongoing effort to avoid exhaust of the resource. If no access provider reports access/usage for a given CIC, NANPA initiates reclamation procedures. All CIC assignees, including switchless resellers and "BC clearinghouses", are required to submit semi-annual Entity Access/Usage reports to NANPA. These reports demonstrate whether access or usage has been established as well as document that assigned CICs are being used in accordance with the CIC Assignment Guidelines. To initiate reclamation, a letter (sent via certified mail or by courier service for delivery verification purposes) advises the assignee of record that trunk access/usage must be established with an access provider within 60 days from the date of the letter, or, alternatively, the assignee of record must have the access service provider supply NANPA with verification that trunk access/usage was previously established (this allows a reporting error to be detected before reclamation of a CIC is finalized). At the end of the 60-day period, if the requisite information regarding trunk access/usage has not been provided, the CIC is reclaimed. In some cases, the Post Office or courier service returns NANPA's reclamation letter as "undeliverable." In these cases, NANPA advises the INC of the inability to contact the assignee, that no trunk access/usage is being reported and that the CIC will be reclaimed and made available for reassignment following the 12-month idle period required by the guidelines, unless the INC directs otherwise.

Maintaining accurate assignment records and entity contact information is an ongoing challenge for NANPA due to abandoned CICs and the high volume of mergers, acquisitions, asset purchases and bankruptcies that occur in the telecommunications industry. Obtaining documentation on and verification of these activities is often difficult, but crucial to the integrity of information contained in the CIC assignment databases.

FG D CIC Activity

During 2015, NANPA assigned 23 new FG D CICs, yielding an average assignment rate of two codes per month. U.S. and Canadian switchless resellers received two of these assignments. Just as important, NANPA continued its concerted effort in 2015 to investigate and reclaim FG D CICs that were "abandoned" (assigned to a company no longer in business and/or not in service). Our efforts resulted in the return/reclamation of 42 FG D CICs.

223 codes from the entire FG D CIC resource are not available for assignment. These include CICs 9000-9199, which are available to all carriers for intranetwork use only. Also included are CICs 0000 and 5000, used exclusively for testing, 0911 and twenty CICs in the formats X411 and 411X, which have been marked unassignable at the direction of the FCC.

At the end of 2015, 1,973 FG D CICs were assigned in total, leaving 7,804 FG D CICs available for assignment. Based on the 2015 average monthly assignment rate, the projected exhaust for the FG D CIC resource is over 100 years. It should be noted that reclaimed/returned FG D CIC assignments are not factored into this projection and that this projection is based on current circumstances; i.e., the FCC limit of two FG D CICs per "entity."

At the end of 2015, NANPA identified 143 FG D CICs as "abandoned" (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA's records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC Assignment Guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these "abandoned" CICs since activity (FG D access and/or usage) appeared on access providers' 2015 semi-annual CIC reports.

Code Administration

Table 8: 2015 Monthly FG D CIC assignments, denials and reclamations

Month	Assigned	Reclaimed/Returned Codes	Applications Denied	Applications Withdrawn
January	0	3	0	0
February	1	4	2	0
March	4	9	0	2
April	2	10	1	1
May	1	6	0	4
June	2	6	2	1
July	2	0	0	1
August	2	0	1	0
September	3	2	0	3
October	3	0	2	0
November	1	1	0	1
December	2	1	1	0
Total	**23**	**42**	**9**	**13**

FG B CIC Activity

In 2015, no FG B CICs were assigned and three FG B CICs were returned or reclaimed. At the end of 2015, 260 FG B CICs were assigned in total. The potential exhaust of the FG B CIC resource is not a concern based on the current rate of assignment.

As of the end of 2015, NANPA had identified 30 FG B CICs as "abandoned" (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA's records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC Assignment Guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these "abandoned" CICs since activity (FG B usage and/or access) appeared on access providers' 2015 semi-annual CIC reports.

Code Administration

Table 9: 2015 Monthly FG B CIC assignments, denials and reclamations

Month	Assigned	Reclaimed/Returned Codes	Applications Denied	Applications Withdrawn
January	0	1	0	0
February	0	0	0	0
March	0	0	0	0
April	0	1	0	0
May	0	1	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total	**0**	**3**	**0**	**0**

Resource Report – N11 Codes

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N11 codes, listed with their descriptions in Table 10, are the only valid three-digit telephone numbers in the NANP.

The FCC administers N11 codes in the U.S., pursuant to the Telecommunications Act of 1996. The Canadian Radio-television and Telecommunications Commission (CRTC) administers N11 codes in Canada. It should be noted that 411 and 611, although long used for the purposes indicated in the table, have not been formally assigned by the FCC in the U.S. at this time.

There was no N11 assignment activity in 2015.

Table 10: N11 Code Assignments

N11 Code	Description
211	Community information and referral services
311	Non-emergency police and other governmental services (U.S.)
411	Local directory assistance
511	Traffic and transportation information (U.S.); Provision of Weather and Traveler Information Services (Canada)
611	Repair service
711	Telecommunications relay service (TRS)
811	Access to One Call Services to Protect Pipeline and Utilities from Excavation Damage (U.S.); Non-Urgent Health Teletriage Services (Canada)
911	Emergency

Code Administration

Resource Report – 456-NXX Codes

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The purpose of NPA 456 and its associated NXXs is to enable the routing of inbound international calls for carrier-specific services, particular to that service provider's network, to and between countries served by the NANP. NANPA assigns 456-NXX codes to telecommunications carriers under industry-developed guidelines that may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *International Inbound NPA (INT/NPA/NXX) Assignment Guidelines, ATIS-0300049*.

No new 456-NXX assignments were requested during 2015. A total of three 456-NXXs were assigned at the end of 2015. A list of 456-NXX assignments is available on the NANPA website, **www.nanpa.com**.

Resource Report — 800-855 Numbers

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800-855 numbers are used only for the purpose of accessing public services on the Public Switched Telephone Network (PSTN) intended for the deaf, hard of hearing or speech impaired. NANPA assigns these numbers in accordance with industry-developed guidelines that may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *800-855 Number Assignment Guidelines, ATIS-0300047*.

No 800-855 number assignments were made in 2015. A total of 93 800-855 line numbers were assigned at the end of 2015. A list of 800-855 assignments can be found on the NANPA website, **www.nanpa.com**.

Resource Report – Automatic Number Identification "II" Digits

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Automatic Number Identification (ANI) Information Integers ("II") digits are digit pairs sent with the originating telephone number. The digit pair identifies the type of originating station; e.g., plain old telephone service (POTS) or hotel/motel. NANPA assigns these numbers in accordance with industry-developed guidelines that may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *Automatic Number Identification (ANI) Information Digits Codes, ATIS-0300064*.

Requests for the assignment of ANI II digits are referred to the INC for consideration. If the INC approves the request, NANPA makes the assignment. A list of ANI II assignments may be found on the NANPA website, **www.nanpa.com**.

No ANI II digit assignments were made in 2015. A total of 24 ANI II digits were assigned at the end of 2015.

Resource Report – Vertical Service Codes

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Vertical Service Codes (VSCs) are customer-dialed codes in the *XX or *2XX dialing format for touch-tone and the 11XX or 112XX dialing format for rotary phones. They are used to provide customer access to features and services (e.g., call forwarding, automatic callback, etc.) provided by network service providers such as local exchange carriers, interexchange carriers or commercial mobile radio service (CMRS) providers. NANPA assigns VSCs in accordance with industry-developed guidelines that may be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**. The guidelines are entitled *Vertical Service Code Assignment Guidelines, ATIS-0300058*.

No VSC assignments were made in 2015. There were a total of 61 VSCs assigned at the end of 2015. A list of assigned VSCs is available on the NANPA website, **www.nanpa.com**.

NPA Relief Planning Overview

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NPA relief planning precedes the introduction of new geographic area codes. The relief planning process is described in detail in the document entitled *NPA Code Relief Planning and Notification Guidelines, ATIS-0300061*, which can be found on the ATIS website at **http://www.atis.org/01_committ_forums/INC/inc_docs.asp**.

NANPA plays a major role in NPA relief planning. At least 36 months before the anticipated exhaust of an NPA in the U.S. or its territories, NANPA's relief planners notify the local industry and state regulatory commission of the impending exhaust and convene a preliminary planning meeting to discuss local dialing arrangements, communities of interest and other pertinent issues to identify viable methods of relief. Using input from this meeting, relief planners prepare and distribute an initial planning document (IPD) for consideration that outlines several alternative relief plans. NANPA then facilitates an industry meeting to consider the options presented in the IPD and any others that may be proposed. NANPA next prepares a petition explaining the options considered and describes the recommended relief option(s) if the industry has reached consensus to do so. The relief planner submits the petition on behalf of the industry to the state regulatory commission for approval.

The respective state commission reviews the proposed plan and often conducts public hearings and invites public comment. When that occurs, the relief planner actively participates and may be called upon to testify relating to various aspects of the proposed relief plan. Some states use the internet to gather public comment in lieu of public meetings in an attempt to solicit greater feedback. After the state commission has approved a plan, which may not be one of the options considered by the industry, NANPA requests assignment of the NPA relief code to implement the plan, and then convenes and facilitates the first industry implementation meeting. Using decisions made at the initial implementation meeting, the relief planner then prepares and publishes a planning letter on the NANPA website. The planning letter announces the method of relief selected, the identity of the new area code, the schedule for relief, the new dialing plan, the test number(s) for the new area code, a rate center map and, in the case of a split, a list of the prefixes moving to the new area code and those remaining in the area code that is receiving relief.

Where NPA relief is required for an existing overlay complex, the process is slightly different. The IPD, relief planning meeting and industry consensus to recommend an overlay is not required. NANPA drafts a relief plan petition requesting approval of the overlay and recommends an implementation schedule, including a time frame for network preparation and customer education, with the new NPA effective at the end of the implementation schedule. There is no need for a permissive dialing period since local 10-digit dialing is already in place. The draft petition is reviewed and approved by the industry prior to submitting to the state commission.

NANPA's relief planners interface with Central Office Code Administrators and Pooling Administrators. Relief planners schedule and facilitate jeopardy conference calls and are involved in decisions about the timing of relief activities involving central office codes.

In 2015, NANPA initiated seven new area code relief planning projects (CA 323, 805, 916; ID 208, NY 212/646/917, PA 717, and TX 210) and filed five NPA relief petitions with the appropriate state public service commission (CA 323, ID 208, NY 212/646/917, PA 717, TX 210). NANPA facilitated five initial NPA implementation meetings (NY 212/646/917/332, NY 315/680, NY 631/934, ID 208/986 and IN 317/463) as well as conducted industry meetings concerning the dialing plan for New York 631/934 and Ohio 614/380. NANPA also responded to state requests for an updated NPA exhaust projection (New York), assisted with and participated in six local jurisdictional and public meetings concerning a recommended area code boundary elimination overlay (California) and conducted an industry meeting to review the possible relief alternatives for four area codes within the same state (Washington).

NANPA relief planners facilitated 22 meetings, conducted entirely by conference calls. They shadowed 60 industry NPA relief subcommittee meetings. To keep the industry informed, NANPA issued 88 notifications using the NNS, which included reminder notices of relief planning meetings that were distributed a few days prior to the meeting. NANPA also created and published seven planning letters describing the details of ongoing geographic area code relief projects.

Throughout the year, NANPA communicated with numerous states concerning number administration and NPA relief planning, to include face-to-face meetings with three state regulatory authorities.

NPA Relief Planning Overview

Relief Planning Quality Measurements

Industry guidelines prescribe time limitations for the completion of many NPA relief planning activities. To quantify the timeliness of its relief planning work, NANPA has established objectives for the completion of many additional activities, as shown in Table 11. In 2015, NANPA completed 100% of the 52 tracked activities on schedule.

Table 11: Relief planning timeliness

Performance Measurement	Events In 2015	Completed On Time	% On Time Completion
Initiated NPA relief planning within 36 months of NPA exhaust.	6	6	100%
Distributed initial industry meeting notice within 8 weeks of relief meeting date.	4	4	100%
Distributed IPD within 4 weeks of relief meeting date.	6	6	100%
Distributed meeting minutes within 2 weeks or date set at the meeting.	17	17	100%
Held minutes review by date set at the meeting.	2	2	100%
Filed relief-related petitions by date set at the meeting.	4	4	100%
Requested relief NPA assignment within 1 week of regulatory approval.	4	4	100%
Issued press release within 2 weeks after relief NPA code assignment.	0	N/A	N/A
Held implementation meeting within 45 days after relief NPA code assignment.	4	4	100%
Held jeopardy meeting within 30 calendar days after jeopardy declaration.	0	N/A	N/A
Posted planning letter or notice of industry meeting on website within 3 weeks after implementation meeting.	4	4	100%
Posted planning letter on website within 10 business days after regulatory change.	1	1	100%
Distributed IPD 4 weeks after date jeopardy was declared, if relief planning has not been initiated.	0	N/A	N/A
Held industry relief planning meeting 8 weeks after date jeopardy was declared, if relief planning has not been initiated.	0	N/A	N/A
Totals	**52**	**52**	**100%**

Relief planners also measured the promptness of their responses to voicemail and email messages. Results showed that NANPA relief planners responded to 100% of client voicemails and email messages by no later than the end of the next business day.

Customer Survey Feedback

Participants at five of the seven initial relief planning meetings held in 2015 were asked to evaluate NANPA's performance by completing a survey containing the 10 statements shown in Table 12. Participants indicated their opinion using a 5-point scale, with 5 indicating "strongly agree" and 1 indicating "strongly disagree. The participants of the relief planning meetings surveyed in 2015 rated their overall satisfaction with NANPA's conduct of the meetings a 4.88 out of 5.00.

NPA Relief Planning Overview

Table 12: Initial relief planning meeting satisfaction survey

Question	2015
Received adequate meeting notice from NANPA?	5.00
Participant could easily obtain documents from NAS?	4.95
Quality of documents and information provided was satisfactory?	4.92
NANPA presented well-developed and reasonable relief alternatives?	4.92
NANPA provided satisfactory response to questions and concerns?	4.90
NANPA provided satisfactory information about code history and NPA status?	4.94
NANPA was an effective facilitator and conducted the meeting in an impartial manner?	4.94
NANPA made effective use of the on-line meeting capability?	4.94
Participant had an adequate opportunity to express opinions?	4.94
Overall satisfied with conduct of meeting?	4.88

In 2015, NANPA conducted surveys to measure the quality of conference calls (other than initial relief planning meetings), where most of the industry's issues are discussed and resolved.

Meeting participants were requested to rate NANPA's performance in ten areas (using the same rating scale described previously), such as timely notification, audio quality, facilitation skills and meeting preparation. The survey covered three conference calls, including the topics of mandatory ten-digit dialing and NPA implementation. The participants on the sampled conference calls rated their overall satisfaction with NANPA's conduct of the calls an average of 5.00 out of 5.00 (See Table 13). The 2015 ratings for the questions asked in the survey were consistent with previous years' ratings, with scores ranging from 4.88 to 5.00.

Table 13: NPA Relief Planning conference call satisfaction survey

Question	2015	2014	2013
NANPA provided adequate notice of the conference call?	5.00	5.00	4.94
Easily able to obtain documents?	4.96	5.00	4.98
Information provided prior to the call was sufficient?	4.91	4.93	4.95
Quality of documents and information was satisfactory?	4.96	4.93	4.98
The conference call facilities (e.g., sound quality) were satisfactory?	4.88	4.93	4.83
NANPA was an effective facilitator on the call and conducted the meeting in an impartial manner?	5.00	4.93	4.96
NANPA made effective use of the on-line meeting capability?	4.96	4.92	--
NANPA was well prepared for the meeting?	5.00	5.00	4.96
Adequate opportunity to express opinions during the call?	5.00	4.93	4.94
Overall satisfaction with NANPA's conduct of the call?	5.00	4.93	5.00

NPA Relief Planning Overview

Relief Planning Process

NANPA's relief planners use the following practices to ensure an efficient and effective relief planning process:

- A "pre-planning" conference call precedes preparation of each IPD, allowing those with useful local knowledge to contribute to the development of better relief options. Rate center lists are distributed early in the relief planning process, allowing the industry and state regulatory commissions more time to study this information prior to relief planning meetings.
- For relief projects involving an existing area code overlay or a single NPA with only one rate center, NANPA skips the pre-planning IPD and NPA relief planning meeting and moves directly to the development of a draft petition recommending an overlay. This draft petition is reviewed and approved by the industry prior to NANPA filing it with the appropriate regulatory authority.
- All meetings are conducted by conference call to reduce travel costs and increase participation. Further, NANPA uses an on-line meeting capability, allowing participants to view relevant documentation and where appropriate, make real-time updates.
- NANPA has created various tools to be used in conjunction with the on-line meeting capability. These tools include:
  - » A "Pros & Cons" table for NPA relief planning meetings, allowing the participants to view this table via the on-line meeting capability and select those pros and cons applicable to the relief alternative being discussed.
  - » Dialing plans and implementation schedules that permit the industry to make a near instant decision on what information to include in the relief petition.
  - » Excerpts from the *NPA Code Relief Planning & Notification Guidelines, ATIS-0300061*, to assist the industry in understanding the INC criteria for relief alternatives and in making their decisions during NPA relief meetings.
  - » Updated on-line meeting aid with excerpts containing the latest changes from the *NPA Code Relief Planning and Notification Guidelines*.
  - » An on-line meeting link in the PDF document posted in NAS NNS, in addition to including this information in the email notice.
  - » An implementation meeting agenda template to ensure the industry addresses all relevant activities associated with the introduction of a new NPA.
- At the beginning of each conference call, the NANPA relief planner explains the manner in which the consensus process will be applied in a uniform, impartial manner in the event participants choose to leave the call unannounced.
- To expedite the meeting process, participants are notified in pre-meeting announcements that they are responsible for downloading and reviewing the documents to be discussed during the meeting. NANPA does not distribute documents while conference calls are in progress.
- NANPA shadows industry NPA relief implementation subcommittee meetings to stay informed on the progress of the implementation as well as to gather and share knowledge gained via these activities with other similar relief efforts.
- NANPA publishes daily reports on the status of NPA relief projects. In addition, during the NPA relief planning process, a state regulator or the industry may specify further action that NANPA is required to undertake based on a related event or trigger point expected to occur sometime in the future. NANPA provides a report that lists these events and associated activities on its website.

Numbering Resource Utilization/Forecast

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NANPA is responsible for the collection and reporting of utilization and forecast data, known as Numbering Resource Utilization/Forecast (NRUF) Reporting. Service providers are required to report utilization and forecast data twice a year to NANPA. Utilization data includes the quantity of assigned, intermediate, aging, administrative and reserved numbers. Forecast data typically is comprised of a five-year forecast of the quantity of thousands-blocks and/or codes by rate center. The FCC also requires access to disaggregated NRUF data by state regulatory commissions for heightened reporting enforcement, including the responsibility to withhold numbering resources from service providers that fail to file utilization and forecast reports.

NANPA collects, sorts and stores NRUF data submitted by service providers. Data may be submitted via NAS, email (i.e., Excel™ workbook), Electronic File Transfer (EFT), compact disk or paper. In 2015, NANPA processed over 13,600 NRUF submissions (See Table 14) and provided a confirmation of receipt, to include any identified errors, within seven calendar days. In addition to processing submissions, NRUF administration also responded to over 1,400 telephone calls and email inquiries.

Along with collecting this information, NANPA makes available to states on-line access to service-provider specific and aggregated utilization and forecast data. In addition, state reports containing NRUF information are offered to those states that desire a snapshot of utilization and forecast data for the area codes within their respective states. This data is provided via email or compact disk and contains several queries that assist in the analysis of the data. Fifty reports were provided to the states, covering both NRUF submission cycles in 2015.

A number of NAS enhancements were implemented in 2015 to assist NRUF filers. A new warning screen was added to the on-line submission method to remind the user if the OCN entered on the NRUF is changed after completion of the worksheets but prior to submission, all the data would be applied to the OCN last selected by the user. A new error check was introduced to identify when the same code or block is listed with different rate centers on the utilization worksheet when submitted via the Excel™ spreadsheet or secure FTP. Further, an NRUF submission reporting utilization and/or forecast data multiple times for the same resource is now rejected by NAS with appropriate notification distributed to the user.

Continuing with the practice of ensuring the industry had the latest information about NRUF, NANPA revised the NRUF Geographic and Non-Geographic Job Aids to reflect the system enhancements implemented throughout the year. In addition, NANPA conducted NRUF training, which focused on a variety of topics applicable to reporting carriers including NRUF filing requirements and methods of submission, a checklist for preparing to file, creating and modifying an on-line NRUF in NAS and the reports for checking on submitted NRUF data.

Looking forward to 2016, additional system changes are proposed to account for the FCC's Report and Order concerning Direct Access to Numbers by Interconnected Voice over Internet Protocol (VoIP) providers. Specifically, NANPA has proposed the inclusion of "Interconnected VoIP" as a service type on the NRUF Form 502 for both geographic and non-geographic resources. This new service type is to be displayed on the appropriate geographic and non-geographic NRUF reports (i.e., OCN Report for Forecast and OCN Report for Utilization). Finally, with the renewal of the NRUF Form 502 scheduled for June 2016, NANPA has recommended that the form be available for download in an .xlsm format. This format, along with the .xlsx format, would be the only formats accepted by NAS.

Numbering Resource Utilization/Forecast

Table 14: Summary of the volume of NRUF submissions and associated items for 2015

Measurements	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Form 502 Email Submissions	2,573	585	264	132	74	125	2,603	516	229	125	71	82	**7,379**
Form 502 FTP Submissions	792	21	13	0	0	0	923	36	16	0	0	0	**1,801**
Form 502 Web Submissions	1,149	311	260	253	217	166	1,012	360	254	188	137	178	**4,485**
Total Submissions	4,514	917	537	385	291	291	4,538	912	499	313	208	260	**13,665**
Error Notifications Sent	484	201	65	25	5	20	597	114	50	16	9	12	**1,598**
Missing Utilization	0	300	4	0	0	0	0	295	14	0	0	0	**613**
Notifications	0	12	263	36	0	0	0	56	199	11	0	0	**577**
Sent	0	212	56	0	0	0	0	313	0	0	0	0	**581**
Anomalous Notifications Sent	0	3	231	20	0	0	0	16	236	14	0	0	**520**
Confirmation Notifications Sent	2,680	572	210	109	68	106	2,911	429	195	109	61	70	**7,520**
Phone Calls/Emails Received	249	139	137	90	19	60	252	169	158	42	41	48	**1,404**
State Reports Created	1	0	21	3	1	3	0	2	18	0	1	0	**50**
Job Aids Created/ Revised	0	0	0	0	2	2	0	0	0	0	2	0	**6**

2015 NRUF Exhaust Forecasts

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One of the primary uses for NRUF data is to support forecasts of the exhaust date for each geographic NPA as well as the exhaust date for the 5XX NPA and the entire NANP. Detailed projections can be found in Attachments 6, 7 and 8 to this annual report. The methodology used to produce the 2015 NPA exhaust projections was the same as the methodology NANPA used in the past several years to project area code exhaust. This methodology had previously been reviewed with the NANC and the FCC. In reporting the NPA exhaust projections, NANPA provides the previously-projected NPA exhaust time frames in order to view the changes that have occurred over time.

NANPA projects NPA and NANP exhaust on a semi-annual basis. Exhaust projections are available at the end of April and October. Throughout the year, NANPA monitors central office code assignment rates in all area codes and will adjust the projected NPA exhaust date if necessary. In 2015, NANPA issued revised exhaust dates for the Washington 360 NPA and California 323, 619, 805 and 916 NPAs. Events that may impact the projected exhaust date include a significant change in CO code demand, the assignment or return of a large quantity of CO codes or the implementation of central office code rationing.

Other NANPA Services

NANPA is required to offer specific services as enterprise services. Enterprise services are additional services that may be provided for a specific fee by NANPA.

AOCN Enterprise Service

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Upon request, NANPA will enter data for a service provider's assigned central office codes and thousands-blocks into the database used by the industry to configure the network for the proper routing and rating of calls. This is an enterprise service; i.e., a service for which NANPA is permitted to charge a fee and a contract between the service provider and NANPA is required. NANPA currently provides this service for over 190 service providers.

Although NANPA is required to provide this service, service providers are not required to select NANPA. The service provider may select another company to enter this information or may elect to enter the data themselves.

Providers of this data entry service are identified by numbers, called Administrative Operating Company Numbers (AOCNs). Over time, the company providing the data input service has come to be called the service provider's "AOCN."

AOCN Quality Measurements

NANPA's AOCN primary service objective is to promptly and accurately ensure that service providers' routing data is input into the appropriate databases to enable the proper routing of calls. NANPA's performance in 2015, shown in Table 15, reflects outstanding service.

Table 15: 2015 AOCN Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of AOCN inputs completed in 7/5 days	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%
Percentage of AOCN phone calls returned by the end of the next business day	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total number of AOCN calls	23	25	50	30	26	47	35	30	36	40	36	33

Entry of Paper Submissions of Resource Applications

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NANPA will enter paper submissions (faxed, scanned or mailed copies) of resource applications into NAS on behalf of the applicant. This includes the application form as well as the in-service confirmation forms (e.g., for central office code administration, the Part 1 and Part 4 forms). In 2015, NANPA processed no paper resource applications.

Entry of Paper NRUF Submissions

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NANPA will enter paper submissions (faxed, scanned or mailed copies) of the NRUF Form 502 into NAS on behalf of the service provider. Normally, respondents submit data through email, FTP or on-line via NAS. For a fee, NANPA will accept and input data submitted by mail, scan or by fax. In 2015, no service provider used this service.

Other NANPA Services

NANPA Testimony In State Regulatory Hearings

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NANPA will prepare, file and present oral and written testimony at no charge. Should the state require a NANPA witness(es) to attend the hearing in person, NANPA will require the state to reimburse it for associated expenses (e.g., travel, lodging, meals, local transportation, etc.) for the witness(es) and legal counsel. If the state requires local counsel to represent NANPA at state regulatory hearings, these costs will be passed along to the state. In 2015, no state used this service.

Customized Reports

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NANPA offers customized reports for publicly-available NPA, central office code and other resource assignment data. Specifically, NANPA can create and provide publicly-available data in different formats to accommodate requests to cull data and provide customized reports for a fee that is reasonable and based on its costs. NANPA negotiates a reasonable price with each requestor. Pricing for this service is based upon report development time and effort, frequency, delivery mechanism and other variables. In 2015, NANPA created no customized reports.

Financial Results

Ernst & Young audits statements of revenues and direct expenditures associated with NANPA's enterprise services. The audit is conducted in accordance with auditing standards generally accepted in the United States and the standards applicable to financial audits in Government Auditing Standards. The statements of revenues and direct expenditures are prepared for the purpose of complying with the March 2012 NANPA Technical Requirements Document.

INC Participation

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NANPA was an active participant in and contributor to the INC during 2015, introducing six new issues and submitting twelve contributions. A list of NANPA-sponsored issues is shown in Table 16. NANPA also continued to provide the INC with semi-annual updates on NANP resources in addition to written communications concerning the approval for certain reclamations.

Table 16: NANPA INC Issues Introduced in 2015 and Supporting Contributions

Issue #	Issue Statement
788	555 Line Number Assignments and Reclamation
789	Include Data Submission Methods and Other Updates to NRUF Guidelines
792	CIC Assignment Guidelines and Reclamation
796	Allow Code Transfer when there are No Assigned Numbers in order to Prevent Code Opening for LRN Purposes
802	Edits to COCAG Sections 4.1, 5.2.1, 7.1, 7.2 and COCAG Appendix C Sections 4.7(d) and 5.6(e) regarding Valid Switching ID Information
803	NANPA no longer sends 5XX and 9YY contact information to the NGIIF Administrator

Other NANPA Services

NANPA Website

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The NANPA website, **www.nanpa.com**, is the primary public source for numbering information. It provides a complete description of the different services offered by NANPA. These services include resource administration, area code relief planning, NRUF data collection and analysis and enterprise services. All of the various numbering resources administered by NANPA, including a description of their use and links to their associated administration guidelines, can be easily accessed via the website. Area code maps, planning letters, newsletters, FCC numbering orders and other NANPA publications are readily available. Contact information for NANPA staff members is posted on the website. The NANPA website is also the gateway into NAS.

Popular on the website are the numerous downloadable reports on the various resources NANPA administers. Many of the reports are available real-time, providing the most up-to-date source on resource availability. Some of the frequently-accessed reports include the following:

- The Central Office Code Availability and Utilization Reports provide up-to-date lists of all central office codes generally available or unavailable for assignment by geographic area code. The data is also available by NPA in a downloadable format (text and Excel™).
- The Central Office Code Assignment Activity Records provide the quantity of central office codes assigned and returned for each geographic area code on a monthly basis.
- The Part 3 Disconnect report provides a daily listing of central office codes with a pending disconnect date.
- The Central Office Code Activity Status Report provides the total number of new applications processed by NANPA by month for each state, including assignments, denials and return requests.
- The 5XX-NXX Availability, Aging and Utilized Reports provide real-time lists of all 5XX-NXX codes available or unavailable for assignment by non-geographic area code. The data is also available by NPA in a downloadable format (text and Excel™).
- Downloadable reports containing assignment information for CICs, 555 line numbers and 9YY resources.
- Geographic Area Codes sorted by number and location.
- Planned area codes not yet in service as well as area codes introduced over the last 10 years.
- U.S. NPA dialing plans and area codes requiring 10-digit dialing.
- Search for Area Code listings query and a City/Town/NPA search.
- An NPA database (CSV file) containing information about all area codes.
- The NPA Relief Activity Status Report provides information on all active and pending NPA relief projects in the United States.
- The NPA Relief Planning Triggers Report identifies specific actions to be initiated based on a related event or trigger point expected to occur sometime in the future.
- The NPAs Exhausting in the Next 36 Months identifies the geographic area codes projected to exhaust within the next three years and provides a current status of the relief planning and/or implementation process.

Throughout the website, there are various documents available to assist the user. As an example, for NRUF reporting, the following documentation is available: NRUF Form 502, Geographic and Non-Geographic Job Aids, Rate Center Abbreviations, NRUF Preparation Checklist and list of common errors when completing the Form 502. Similar types of documents are available for Central Office Code Administration and Area Code Relief Planning. NAS User Guides, which provide detailed instructions on the use of the system, are continuously updated and posted on the website. Attachment 9 provides a listing of where important numbering information is available on the internet.

The home page of the website offers links to recent information or activity, under the "What's New" section. Also included is a section called "NANPA Fast Track," containing links to the most visited pages on the website. Included under the "NANPA Fast Track" section is a capability that allows the user to search for information about a specific NPA. Information that can be found includes if and/or when the area code was assigned, the location of the NPA, the in-service date where applicable, the NPA that it relieved, the time zone associated with the area code, the NPA dialing plan and other valuable data.

The website also provides the ability for interested parties to submit questions related to numbering issues and receive responses. Many such questions are received by NANPA daily. In 2015, NANPA received 171 inquiries via its feedback mechanism; all were responded to within one business day.

Other NANPA Services

Enhancements and updates made to the website in 2015 include:

- Revised the CIC resource landing page and the "Getting Started with CIC Assignments" to include a reference to the modified reclamation process detailed in the CIC Assignment Guidelines.
- Included the FCC's VoIP Direct Access to Numbers Order under Publications, FCC NRO Orders.
- Modified the public website report "NPAs Introduced since 1995" to include only NPAs introduced over the past ten years.
- Re-formatted the NPA Relief Planning Status Report to improve the readability of the downloaded Excel™ report.
- Linked the NANPA state reclamation contact list to the Pooling Administrator state reclamation contact list, ensuring consistency between the two Administrators.

NANPA Newsletters

NANPA publishes quarterly newsletters and posts them on the NANPA website. These newsletters provide up-to-date information on resource assignments and trends, area code relief planning activities, notifications concerning NRUF submission requirements and other general number administration information. In 2015, articles provided updates on new NRUF capabilities in NAS, an NRUF preparation reminder list, what to do if one receives an NRUF missing or anomalous notification and making the best use of the NRUF on-line feature. Information concerning the moratorium on the 555 line number assignments and NANPA's efforts to update 555 assignee contact information appeared in the newsletter. Articles addressing the changes to the NANPA annual survey, the need for NAS and PAS user IDs to match, NRUF data available to state commissions and learning more about NANC activities were also included.

Each newsletter also includes a section titled "News Brief." This section provides short updates on various numbering issues such as rate center modifications, revised NPA exhaust projections, the availability of NANPA training videos, the need to keep one's NAS profile up-to-date and the publication of specific NANPA planning letters.

An index of articles included in NANPA newsletters published since 2010 is also available on the NANPA website.

Support for NANP Countries Other than the U.S.

The NANP is unique among the world's telecommunications numbering plans in that it serves 20 independent countries. These countries include the United States and its territories, Canada, Bermuda, Anguilla, Antigua and Barbuda, the Bahamas, Barbados, the British Virgin Islands, the Cayman Islands, Dominica, the Dominican Republic, Grenada, Jamaica, Montserrat, Sint Maarten, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, and Turks and Caicos.

One of NANPA's roles is to coordinate the assignment of numbering resources that must be shared equitably by all of the participating countries. Area codes are, of course, the primary shared resource, but there are others. For example, entities in the U.S., Canada, Anguilla, St. Maarten and Bermuda use CICs. U.S. and Canadian entities offer 900 services and thus share the supply of 9YY-NXX codes. NANPA may interface with other countries' national numbering administrators during the resource request and assignment process. Normally, the national administrator receives the requests, ensures that their country's regulatory requirements are met, and forwards the requests to NANPA. NANPA verifies that industry requirements are met and assigns the resources if appropriate to do so.

Support to the FCC, State Commissions and the NANC

In order to ensure the proper and efficient administration of NANP resources, NANPA communicates regularly with the FCC, state regulatory authorities and the NANC in support of their needs for numbering information.

Ongoing communications between NANPA and the FCC are necessary to ensure proper administration and management of NANP resources. Under the FCC contract, NANPA provides numerous reports and other documentation required by the contract. These reports consist of monthly readouts on central office code assignments, assignment of other NANP resources such as CICs and 5XX-NXX codes, area code relief planning projects, NAS performance and NANPA staffing. NANPA provides the FCC with service provider-specific utilization and forecast data submitted by carriers via the NRUF reporting process. NANPA reviews with the FCC issues concerning authorized access to numbering resources. As necessary, NANPA will meet with the FCC to discuss numbering in general and highlight those activities impacting number resource use and optimization. In 2015, NANPA addressed

Other NANPA Services

three Change Orders to the FCC. The first Change Order led to the moratorium on 555 line number assignments. The second Change Order proposed modifications to the NRUF reporting process to account for the FCC's Report and Order concerning Direct Access to Numbers by Interconnected VoIP providers. The third Change Order incorporated modifications to certain resource application forms found in NAS. The last two Change Orders were pending FCC approval at the end of the year.

NANPA continued to support state regulatory authorities by providing them with the number utilization data collected via semi-annual NRUF reporting and assisted state regulators in following up with the appropriate service providers with regard to this data. This included providing real-time access to NRUF data via NAS, with various reports and queries available to search and analyze the data, as well as providing ongoing assistance with using the NRUF reporting capabilities available to them in the system. Throughout the year, NANPA worked with state regulatory authorities concerning the reclamation of assigned resources. Activity included coordinating with the states to identify abandoned central office codes as well as transferring assigned codes so as to avoid opening new codes for LRN purposes.

NANPA continued to supply state regulators with Part 1 and Part 3 reports, which provided a listing on a daily, weekly or monthly basis of all Part 1s and Part 3s processed by NANPA for their respective area codes. These reports include the Pooling Administration System tracking number, the Parent Company Name and Parent Company Operating Company Number associated with the application and the application type (e.g., LRN request, pool replenishment, dedicated customer).

NANPA worked with state regulators to address specific issues or concerns associated with individual service provider requests for resources. Further, as a specific NPA exhaust approached, NANPA ensured the state regulators were kept informed of the latest exhaust projections and provided updated information concerning NPA relief alternatives, to include refreshing the projected lives of proposed relief alternatives. NANPA representatives and state commissions regularly discuss specific activity and issues associated with active, pending or planned NPA relief projects. In 2015, NANPA participated in local jurisdiction and public meetings conducted by the California Public Utilities Commission concerning the proposed boundary elimination overlay of the 323 NPA. NANPA submitted to the New York Public Service Commission an updated NPA exhaust projection for the 315. NANPA also filed notice with the New York Public Service Commission the recommended dialing plan for the 631/934 overlay. NANPA conducted an industry meeting to review the possible NPA relief alternatives for four western Washington area codes. Finally, NANPA met face-to-face with the New York, California and Idaho commission staffs to review the status of NPA relief planning within their respective states and discuss number administration.

NANPA continued to participate in bi-monthly conference calls with the state commission staffs, providing updates on its activities and soliciting input on any numbering-related matters. This opportunity was used to review internal processes and ensure a complete understanding of the responsibilities of NANPA, service providers and the state regulators.

NANPA provided monthly reports to the NANC throughout 2015. These reports highlighted central office code assignment activity, NPA relief planning efforts, status reports on other NANP resources administered by NANPA as well as NAS performance. NANPA also provided the results of the semi-annual NPA and NANP exhaust analysis and notified the NANC of the potential exhaust of the specific NPA resources.

NANPA interfaced with the NANC's subtending organizations as well. NANPA participated in monthly meetings with the Numbering Oversight Working Group, providing reports on performance measurements, NAS updates and trouble tickets, a review of relevant numbering activities and NANPA performance improvement efforts. NANPA continued the use of its Monthly Operational Report to provide a repository of various NANPA activities and events occurring throughout the year. NANPA also participated in NANC's Future of Numbering (FoN) Working Group and provided assistance to the group in their numbering discussions. Finally, NANPA continued to manage the NANC-Chair web page, which is used for posting NANC and subtending working group documentation.

Attachment 1 – Area Code Inventory

NPA codes are in NXX format, where N is any digit 2-9 and X is any digit 0-9, yielding 8*10*10 = 800 combinations. Of these, 119 are not assignable or have been set aside by the Industry Numbering Committee (INC) for special purposes. These 119 codes are listed below.

N11 (8)	Abbreviated Dialing
N9X (80)	Reserved for use during expansion of the NANP
37X and 96X (20)	Reserved by the INC for future use where contiguous blocks of codes are required
555 and 950 (2)	Not used as NPA codes to avoid possible confusion
880–887 and 889 (9)	Set aside for next series of toll-free codes

Subtracting 119 from 800 leaves 681 assignable NPA codes. Of these, 409 have been assigned. Of these 409, 385 are in service and 24 are awaiting introduction. Of the 385 NPA codes in service, 367 are geographic and 18 are non-geographic.

Of the 681 assignable NPA codes, 272 are currently unassigned. Of these codes, 43 are easily recognizable codes (ERCs) currently allocated for non-geographic use, and 229 are general-purpose codes. Of these 229, 172 are reserved,[1] leaving 57 available, unreserved, general-purpose codes.

Of the 43 unassigned ERCs, 6 are reserved,[2] leaving 37 available.

Future geographic NPA codes are listed below.

NPA	NPA	NPA	NPA
221	389	584	789
223	421	624	820
230	426	625	821
232	427	627	823
235	428	634	824
238	429	640	826
247	436	642	835
257	439	645	837
258	445	652	838
259	448	656	839
261	449	658	840
263	451	665	841
271	453	673	851
273	457	676	852
278	459	683	861
279	460	685	871
280	461	686	875
286	468	687	879
287	471	726	921
324	472	728	923
326	474	729	924
328	476	735	926
329	481	738	927
341	483	739	935
342	485	741	942
353	486	742	943
354	487	745	945
357	489	746	946
359	536	748	948
362	537	749	953
363	560	750	957
367	565	753	981
368	568	756	982
369	572	761	983
382	576	764	987
384	582	771	
387	583	776	

1. These codes have been designated for the relief of NPAs that NRUF projects will exhaust in the next 10 years. Also included are additional NPA codes reserved for use in Canada at the request of the CRTC as well as 26 NPAs reserved for future 5XX-NXX expansion (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).
2. These include one code reserved for future 5XX-NXX expansion (522) and 5 of the codes reserved for Canada (633, 644, 655, 677 and 688). Canada has also reserved 699, which is counted as an expansion code.

Attachment 2 – Geographic NPAs Sorted by Location

Country	Location	NPA
Anguilla	Anguilla	264
Antigua and Barbuda	Antigua and Barbuda	268
Bahamas	Bahamas	242
Barbados	Barbados	246
Bermuda	Bermuda	441
British Virgin Islands	British Virgin Islands	284
Canada	Alberta	403
Canada	Alberta	587
Canada	Alberta	780
Canada	British Columbia	236
Canada	British Columbia	250
Canada	British Columbia	604
Canada	British Columbia	778
Canada	Canada	600
Canada	Manitoba	204
Canada	Manitoba	431
Canada	New Brunswick	506
Canada	Newfoundland	709
Canada	Nova Scotia, Prince Edward Island	782
Canada	Nova Scotia, Prince Edward Island	902
Canada	Ontario	226
Canada	Ontario	249
Canada	Ontario	289
Canada	Ontario	343
Canada	Ontario	365
Canada	Ontario	416
Canada	Ontario	437
Canada	Ontario	519
Canada	Ontario	613
Canada	Ontario	647
Canada	Ontario	705
Canada	Ontario	807
Canada	Ontario	905
Canada	Quebec	418
Canada	Quebec	438
Canada	Quebec	450

Country	Location	NPA
Canada	Quebec	514
Canada	Quebec	579
Canada	Quebec	581
Canada	Quebec	819
Canada	Quebec	873
Canada	Saskatchewan	306
Canada	Saskatchewan	639
Canada	Yukon, NW Terr., Nunavut	867
Cayman Islands	Cayman Islands	345
Dominica	Dominica	767
Dominican Republic	Dominican Republic	809
Dominican Republic	Dominican Republic	829
Dominican Republic	Dominican Republic	849
Grenada	Grenada	473
Jamaica	Jamaica	876
Montserrat	Montserrat	664
Sint Maarten	Sint Maarten	721
St. Kitts and Nevis	St. Kitts and Nevis	869
St. Lucia	St. Lucia	758
St. Vincent and Grenadines	St. Vincent and Grenadines	784
Trinidad and Tobago	Trinidad and Tobago	868
Turks and Caicos Islands	Turks and Caicos Islands	649
US	AK	907
US	AL	205
US	AL	251
US	AL	256
US	AL	334
US	AL	938
US	American Samoa	684
US	AR	479
US	AR	501
US	AR	870
US	AZ	480
US	AZ	520
US	AZ	602
US	AZ	623

Geographic NPAs Sorted by Location

Country	Location	NPA
US	AZ	928
US	CA	209
US	CA	213
US	CA	310
US	CA	323
US	CA	408
US	CA	415
US	CA	424
US	CA	442
US	CA	510
US	CA	530
US	CA	559
US	CA	562
US	CA	619
US	CA	626
US	CA	628
US	CA	650
US	CA	657
US	CA	661
US	CA	669
US	CA	707
US	CA	714
US	CA	747
US	CA	760
US	CA	805
US	CA	818
US	CA	831
US	CA	858
US	CA	909
US	CA	916
US	CA	925
US	CA	949
US	CA	951
US	CNMI	670
US	CO	303
US	CO	719
US	CO	720

Country	Location	NPA
US	CO	970
US	CT	203
US	CT	475
US	CT	860
US	CT	959
US	DC	202
US	DE	302
US	FL	239
US	FL	305
US	FL	321
US	FL	352
US	FL	386
US	FL	407
US	FL	561
US	FL	727
US	FL	754
US	FL	772
US	FL	786
US	FL	813
US	FL	850
US	FL	863
US	FL	904
US	FL	941
US	FL	954
US	GA	229
US	GA	404
US	GA	470
US	GA	478
US	GA	678
US	GA	706
US	GA	762
US	GA	770
US	GA	912
US	Guam	671
US	HI	808
US	IA	319
US	IA	515

Geographic NPAs Sorted by Location

Country	Location	NPA
US	IA	563
US	IA	641
US	IA	712
US	ID	208
US	IL	217
US	IL	224
US	IL	309
US	IL	312
US	IL	331
US	IL	618
US	IL	630
US	IL	708
US	IL	773
US	IL	779
US	IL	815
US	IL	847
US	IL	872
US	IN	219
US	IN	260
US	IN	317
US	IN	574
US	IN	765
US	IN	812
US	IN	930
US	KS	316
US	KS	620
US	KS	785
US	KS	913
US	KY	270
US	KY	364
US	KY	502
US	KY	606
US	KY	859
US	LA	225
US	LA	318
US	LA	337
US	LA	504
US	LA	985

Country	Location	NPA
US	MA	339
US	MA	351
US	MA	413
US	MA	508
US	MA	617
US	MA	774
US	MA	781
US	MA	857
US	MA	978
US	MD	240
US	MD	301
US	MD	410
US	MD	443
US	MD	667
US	ME	207
US	MI	231
US	MI	248
US	MI	269
US	MI	313
US	MI	517
US	MI	586
US	MI	616
US	MI	734
US	MI	810
US	MI	906
US	MI	947
US	MI	989
US	MN	218
US	MN	320
US	MN	507
US	MN	612
US	MN	651
US	MN	763
US	MN	952
US	MO	314
US	MO	417
US	MO	573
US	MO	636

Geographic NPAs Sorted by Location

Country	Location	NPA
US	MO	660
US	MO	816
US	MS	228
US	MS	601
US	MS	662
US	MS	769
US	MT	406
US	NC	252
US	NC	336
US	NC	704
US	NC	828
US	NC	910
US	NC	919
US	NC	980
US	NC	984
US	ND	701
US	NE	308
US	NE	402
US	NE	531
US	NH	603
US	NJ	201
US	NJ	551
US	NJ	609
US	NJ	732
US	NJ	848
US	NJ	856
US	NJ	862
US	NJ	908
US	NJ	973
US	NM	505
US	NM	575
US	NV	702
US	NV	725
US	NV	775
US	NY	212
US	NY	315
US	NY	347
US	NY	516

Country	Location	NPA
US	NY	518
US	NY	585
US	NY	607
US	NY	631
US	NY	646
US	NY	716
US	NY	718
US	NY	845
US	NY	914
US	NY	917
US	NY	929
US	OH	216
US	OH	220
US	OH	234
US	OH	330
US	OH	419
US	OH	440
US	OH	513
US	OH	567
US	OH	614
US	OH	740
US	OH	937
US	OK	405
US	OK	539
US	OK	580
US	OK	918
US	OR	458
US	OR	503
US	OR	541
US	OR	971
US	PA	215
US	PA	267
US	PA	272
US	PA	412
US	PA	484
US	PA	570
US	PA	610
US	PA	717

Geographic NPAs Sorted by Location

Country	Location	NPA
US	PA	724
US	PA	814
US	PA	878
US	Puerto Rico	787
US	Puerto Rico	939
US	RI	401
US	SC	803
US	SC	843
US	SC	854
US	SC	864
US	SD	605
US	TN	423
US	TN	615
US	TN	629
US	TN	731
US	TN	865
US	TN	901
US	TN	931
US	TX	210
US	TX	214
US	TX	254
US	TX	281
US	TX	325
US	TX	346
US	TX	361
US	TX	409
US	TX	430
US	TX	432
US	TX	469
US	TX	512
US	TX	682
US	TX	713
US	TX	737
US	TX	806
US	TX	817
US	TX	830
US	TX	832
US	TX	903
US	TX	915
US	TX	936
US	TX	940
US	TX	956
US	TX	972
US	TX	979
US	US	710
US	US Virgin Islands	340
US	UT	385
US	UT	435
US	UT	801
US	VA	276
US	VA	434
US	VA	540
US	VA	571
US	VA	703
US	VA	757
US	VA	804
US	VT	802
US	WA	206
US	WA	253
US	WA	360
US	WA	425
US	WA	509
US	WI	262
US	WI	414
US	WI	534
US	WI	608
US	WI	715
US	WI	920
US	WV	304
US	WV	681
US	WY	307

Note: All geographic NPAs were in service as of December 31, 2015.

Attachment 3 – Geographic NPAs Sorted Numerically

NPA	Country	Location
201	US	NJ
202	US	DC
203	US	CT
204	Canada	Manitoba
205	US	AL
206	US	WA
207	US	ME
208	US	ID
209	US	CA
210	US	TX
212	US	NY
213	US	CA
214	US	TX
215	US	PA
216	US	OH
217	US	IL
218	US	MN
219	US	IN
220	US	OH
224	US	IL
225	US	LA
226	Canada	Ontario
228	US	MS
229	US	GA
231	US	MI
234	US	OH
236	Canada	British Columbia
239	US	FL
240	US	MD
242	Bahamas	Bahamas
246	Barbados	Barbados
248	US	MI
249	Canada	Ontario
250	Canada	British Columbia
251	US	AL
252	US	NC
253	US	WA

NPA	Country	Location
254	US	TX
256	US	AL
260	US	IN
262	US	WI
264	Anguilla	Anguilla
267	US	PA
268	Antigua and Barbuda	Antigua and Barbuda
269	US	MI
270	US	KY
272	US	PA
276	US	VA
281	US	TX
284	British Virgin Islands	British Virgin Islands
289	Canada	Ontario
301	US	MD
302	US	DE
303	US	CO
304	US	WV
305	US	FL
306	Canada	Saskatchewan
307	US	WY
308	US	NE
309	US	IL
310	US	CA
312	US	IL
313	US	MI
314	US	MO
315	US	NY
316	US	KS
317	US	IN
318	US	LA
319	US	IA
320	US	MN
321	US	FL
323	US	CA
325	US	TX
330	US	OH

Geographic NPAs Sorted Numerically

NPA	Country	Location
331	US	IL
334	US	AL
336	US	NC
337	US	LA
339	US	MA
340	US	US Virgin Islands
343	Canada	Ontario
345	Cayman Islands	Cayman Islands
346	US	TX
347	US	NY
351	US	MA
352	US	FL
360	US	WA
361	US	TX
364	US	KY
365	Canada	Ontario
385	US	UT
386	US	FL
401	US	RI
402	US	NE
403	Canada	Alberta
404	US	GA
405	US	OK
406	US	MT
407	US	FL
408	US	CA
409	US	TX
410	US	MD
412	US	PA
413	US	MA
414	US	WI
415	US	CA
416	Canada	Ontario
417	US	MO
418	Canada	Quebec
419	US	OH
423	US	TN
424	US	CA

NPA	Country	Location
425	US	WA
430	US	TX
431	Canada	Manitoba
432	US	TX
434	US	VA
435	US	UT
437	Canada	Ontario
438	Canada	Quebec
440	US	OH
441	Bermuda	Bermuda
442	US	CA
443	US	MD
450	Canada	Quebec
458	US	OR
469	US	TX
470	US	GA
473	Grenada	Grenada
475	US	CT
478	US	GA
479	US	AR
480	US	AZ
484	US	PA
501	US	AR
502	US	KY
503	US	OR
504	US	LA
505	US	NM
506	Canada	New Brunswick
507	US	MN
508	US	MA
509	US	WA
510	US	CA
512	US	TX
513	US	OH
514	Canada	Quebec
515	US	IA
516	US	NY
517	US	MI

Geographic NPAs Sorted Numerically

NPA	Country	Location
518	US	NY
519	Canada	Ontario
520	US	AZ
530	US	CA
531	US	NE
534	US	WI
539	US	OK
540	US	VA
541	US	OR
551	US	NJ
559	US	CA
561	US	FL
562	US	CA
563	US	IA
567	US	OH
570	US	PA
571	US	VA
573	US	MO
574	US	IN
575	US	NM
579	Canada	Quebec
580	US	OK
581	Canada	Quebec
586	US	MI
587	Canada	Alberta
601	US	MS
602	US	AZ
603	US	NH
604	Canada	British Columbia
605	US	SD
606	US	KY
607	US	NY
608	US	WI
609	US	NJ
610	US	PA
612	US	MN
613	Canada	Ontario
614	US	OH

NPA	Country	Location
615	US	TN
616	US	MI
617	US	MA
618	US	IL
619	US	CA
620	US	KS
623	US	AZ
626	US	CA
628	US	CA
629	US	TN
630	US	IL
631	US	NY
636	US	MO
639	Canada	Saskatchewan
641	US	IA
646	US	NY
647	Canada	Ontario
649	Turks and Caicos Islands	Turks and Caicos Islands
650	US	CA
651	US	MN
657	US	CA
661	US	CA
662	US	MS
664	Montserrat	Montserrat
667	US	Maryland
669	US	California
670	US	CNMI
671	US	Guam
678	US	GA
681	US	WV
682	US	TX
684	US	American Samoa
701	US	ND
702	US	NV
703	US	VA
704	US	NC

Geographic NPAs Sorted Numerically

NPA	Country	Location
705	Canada	Ontario
706	US	GA
707	US	CA
708	US	IL
709	Canada	Newfoundland
710	US	US
712	US	IA
713	US	TX
714	US	CA
715	US	WI
716	US	NY
717	US	PA
718	US	NY
719	US	CO
720	US	CO
721	Sint Maarten	Sint Maarten
724	US	PA
725	US	NV
727	US	FL
731	US	TN
732	US	NJ
734	US	MI
737	US	Texas
740	US	OH
747	US	CA
754	US	FL
757	US	VA
758	St. Lucia	St. Lucia
760	US	CA
762	US	GA
763	US	MN
765	US	IN
767	Dominica	Dominica
769	US	MS
770	US	GA
772	US	FL
773	US	IL
774	US	MA

NPA	Country	Location
775	US	NV
778	Canada	British Columbia
779	US	IL
780	Canada	Alberta
781	US	MA
782	Canada	Nova Scotia, Prince Edward Island
784	St. Vincent and Grenadines	St. Vincent and Grenadines
785	US	KS
786	US	FL
787	US	Puerto Rico
801	US	UT
802	US	VT
803	US	SC
804	US	VA
805	US	CA
806	US	TX
807	Canada	Ontario
808	US	HI
809	Dominican Republic	Dominican Republic
810	US	MI
812	US	IN
813	US	FL
814	US	PA
815	US	IL
816	US	MO
817	US	TX
818	US	CA
819	Canada	Quebec
828	US	NC
829	Dominican Republic	Dominican Republic
830	US	TX
831	US	CA
832	US	TX
843	US	SC
845	US	NY
847	US	IL

Geographic NPAs Sorted Numerically

NPA	Country	Location
848	US	NJ
849	Dominican Republic	Dominican Republic
850	US	FL
854	US	SC
856	US	NJ
857	US	MA
858	US	CA
859	US	KY
860	US	CT
862	US	NJ
863	US	FL
864	US	SC
865	US	TN
867	Canada	Yukon, NW Terr., Nunavut
868	Trinidad and Tobago	Trinidad and Tobago
869	St. Kitts and Nevis	St. Kitts and Nevis
870	US	AR
872	US	IL
873	Canada	Quebec
876	Jamaica	Jamaica
878	US	PA
901	US	TN
902	Canada	Nova Scotia, Prince Edward Island
903	US	TX
904	US	FL
905	Canada	Ontario
906	US	MI
907	US	AK
908	US	NJ
909	US	CA
910	US	NC
912	US	GA
913	US	KS
914	US	NY
915	US	TX
916	US	CA

NPA	Country	Location
917	US	NY
918	US	OK
919	US	NC
920	US	WI
925	US	CA
928	US	AZ
929	US	NY
930	US	IN
931	US	TN
936	US	TX
937	US	OH
938	US	AL
939	US	Puerto Rico
940	US	TX
941	US	FL
947	US	MI
949	US	CA
951	US	CA
952	US	MN
954	US	FL
956	US	TX
959	US	CT
970	US	CO
971	US	OR
972	US	TX
973	US	NJ
978	US	MA
979	US	TX
980	US	NC
985	US	LA
984	US	NC
989	US	MI
985	US	LA
984	US	NC
989	US	MI

Note: All geographic NPAs were in service as of December 31, 2015.

Attachment 4 – Non-Geographic NPAs in Service

The table below lists the non-geographic NPAs in service as of December 31, 2015, along with the service for which each is used.

NPA	Service
456	Inbound International
500	Non-Geographic Services
533	Non-Geographic Services
544	Non-Geographic Services
566	Non-Geographic Services
577	Non-Geographic Services
588	Non-Geographic Services
600	Canadian Non-Geographic Tariffed Services
622	Canadian Non-Geographic Services
700	Interexchange Carrier Services
710	US Government
800	Toll-Free
844	Toll-Free
855	Toll-Free
866	Toll-Free
877	Toll-Free
888	Toll-Free
900	Premium Services

NPA code 456 allows callers to select a carrier for international calls terminating in a NANP country. Carriers implement this service by activating 456 numbers in each country of origin.

NPA codes 500, 533, 544, 566, 577 and 588 (known as 5XX NPA resources) are 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. 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, with the ability to share information with back-office control and database systems and with the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider. NPA codes 521, 522, 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 have been reserved for this use.

NPA code 600 is used within Canada and assigned to Canadian telecommunications service providers in the provisioning of non-geographic, tariffed services.

NPA code 622 is used for applications in Canada 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. 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 also be used for applications enabling machines, which would include but not be limited to wireless devices and appliances, with the ability to share information with back-office control and data base systems and the people that use them. Service is limited only by terminal and network capabilities and restrictions imposed by the service provider. NPA codes 633, 644, 655, 677 and 688 have been designated for this use.

NPA code 700 was assigned in 1983 for use by all interexchange carriers. Each carrier has the use of all 7.92 million numbers in the 700 NPA. When a call is made to a 700 number, the local exchange carrier passes the call to the caller's interexchange carrier, selected either through presubscription or override. Note that 700 numbers, unlike other NANP numbers, may terminate in different ways, depending on how the interexchange carrier has allocated the numberst.

NPA code 710 was assigned in 1983 to the U.S. Government for emergency services. The 710 NPA is treated as non-geographic with per-call compensation provided by the U.S. Government.

NPA codes 800, 888, 877, 866, 855 and 844 are used as toll-free codes. NPA codes 833 and 822 have been assigned for future use as toll-free codes and will be introduced as needed.

NPA 900 codes are used for premium services, with the cost of each 900 call billed to the calling party.

Attachment 5 – U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
AK	907	7D	1+10D	1+10D	1+10D	
AL	205	7D	1+10D	10D	1+10D	
AL	251	7D	1+10D	10D	1+10D	1
AL	256	10D	1+10D	10D	1+10D	
AL	334	7D	1+10D	10D	1+10D	
AL	938	10D	1+10D	10D	1+10D	
AR	479	7D	1+10D	10D	1+10D	
AR	501	7D	1+10D	10D	1+10D	
AR	870	7D	1+10D	10D	1+10D	
AS	684	7D	NA	NA	1+10D	
AZ	480	7D	1+10D	10D	1+10D	
AZ	520	7D	1+10D	10D	1+10D	
AZ	602	7D	1+10D	10D	1+10D	
AZ	623	7D	1+10D	10D	1+10D	
AZ	928	7D	1+10D	10D	1+10D	
CA	209	7D	7D	1+10D	1+10D	
CA	213	7D	7D	1+10D	1+10D	
CA	310	1+10D	1+10D	1+10D	1+10D	
CA	323	7D	7D	1+10D	1+10D	
CA	408	1+10D	1+10D	1+10D	1+10D	
CA	415	1+10D	1+10D	1+10D	1+10D	
CA	424	1+10D	1+10D	1+10D	1+10D	
CA	442	1+10D	1+10D	1+10D	1+10D	
CA	510	7D	7D	1+10D	1+10D	
CA	530	7D	7D	1+10D	1+10D	
CA	559	7D	7D	1+10D	1+10D	
CA	562	7D	7D	1+10D	1+10D	
CA	619	7D	7D	1+10D	1+10D	
CA	628	1+10D	1+10D	1+10D	1+10D	
CA	626	7D	7D	1+10D	1+10D	
CA	650	7D	7D	1+10D	1+10D	
CA	657	1+10D	1+10D	1+10D	1+10D	
CA	669	1+10D	1+10D	1+10D	1+10D	
CA	707	7D	7D	1+10D	1+10D	
CA	714	1+10D	1+10D	1+10D	1+10D	
CA	747	1+10D	1+10D	1+10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
CA	760	1+10D	1+10D	1+10D	1+10D	
CA	805	7D	7D	1+10D	1+10D	
CA	818	1+10D	1+10D	1+10D	1+10D	
CA	831	7D	7D	1+10D	1+10D	
CA	858	7D	7D	1+10D	1+10D	
CA	909	7D	7D	1+10D	1+10D	
CA	916	7D	7D	1+10D	1+10D	
CA	925	7D	7D	1+10D	1+10D	
CA	949	7D	7D	1+10D	1+10D	
CA	951	7D	7D	1+10D	1+10D	
CNMI	670	7D	1+10D	NA	1+10D	
CO	303	10D	1+10D	10D	1+10D	
CO	719	7D	1+10D	10D	1+10D	
CO	720	10D	1+10D	10D	1+10D	
CO	970	7D	1+10D	10D	1+10D	
CT	203	10D	1+10D	10D	1+10D	
CT	475	10D	1+10D	10D	1+10D	
CT	860	10D	1+10D	10D	1+10D	
CT	959	10D	1+10D	10D	1+10D	
DC	202	7D	NA	10D	1+10D	
DE	302	7D	1+10D	10D	1+10D	
FL	239	7D	1+10D	10D	1+10D	
FL	305	10D	1+10D	10D	1+10D	
FL	321	10D	1+10D	10D	1+10D	3
FL	352	7D	1+10D	10D	1+10D	
FL	386	7D	1+10D	10D	1+10D	
FL	407	10D	1+10D	10D	1+10D	
FL	561	7D	1+10D	10D	1+10D	4
FL	727	7D	1+10D	10D	1+10D	
FL	754	10D	1+10D	10D	1+10D	
FL	772	7D	1+10D	10D	1+10D	5
FL	786	10D	1+10D	10D	1+10D	
FL	813	7D	1+10D	10D	1+10D	
FL	850	7D	1+10D	10D	1+10D	
FL	863	7D	1+10D	10D	1+10D	
FL	904	7D	1+10D	10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
FL	941	7D	1+10D	10D	1+10D	
FL	954	10D	1+10D	10D	1+10D	
GA	229	7D	1+10D	10D	1+10D	
GA	404	10D	1+10D	10D	1+10D	
GA	470	10D	1+10D	10D	1+10D	
GA	478	7D	1+10D	10D	1+10D	
GA	678	10D	1+10D	10D	1+10D	
GA	706	10D	1+10D	10D	1+10D	
GA	762	10D	1+10D	10D	1+10D	
GA	770	10D	1+10D	10D	1+10D	
GA	912	7D	1+10D	10D	1+10D	
GU	671	7D	1+10D	NA	1+10D	
HI	808	7D	1+10D	NA	1+10D	
IA	319	7D	1+10D	10D	1+10D	
IA	515	7D	1+10D	10D	1+10D	
IA	563	7D	1+10D	10D	1+10D	
IA	641	7D	1+10D	10D	1+10D	
IA	712	7D	1+10D	10D	1+10D	
ID	208	7D	1+10D	7D	1+10D	
IL	217	7D	1+10D	1+10D	1+10D	
IL	224	1+10D	1+10D	1+10D	1+10D	
IL	309	7D	1+10D	1+10D	1+10D	
IL	312	1+10D	1+10D	1+10D	1+10D	
IL	331	1+10D	1+10D	1+10D	1+10D	
IL	618	7D	1+10D	1+10D	1+10D	
IL	630	1+10D	1+10D	1+10D	1+10D	
IL	708	7D	1+10D	1+10D	1+10D	
IL	773	1+10D	1+10D	1+10D	1+10D	
IL	779	1+10D	1+10D	1+10D	1+10D	
IL	815	1+10D	1+10D	1+10D	1+10D	
IL	847	1+10D	1+10D	1+10D	1+10D	
IL	872	1+10D	1+10D	1+10D	1+10D	
IN	219	7D	1+10D	10D	1+10D	
IN	260	7D	1+10D	10D	1+10D	
IN	317	7D	1+10D	10D	1+10D	
IN	574	7D	1+10D	10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
IN	765	7D	1+10D	10D	1+10D	
IN	812	10D	1+10D	10D	1+10D	
IN	930	10D	1+10D	10D	1+10D	
KS	316	7D	1+10D	10D	1+10D	
KS	620	7D	1+10D	10D	1+10D	
KS	785	7D	1+10D	10D	1+10D	
KS	913	7D	1+10D	10D	1+10D	
KY	270	10D	1+10D	10D	1+10D	
KY	364	10D	1+10D	10D	1+10D	
KY	502	7D	1+10D	7D	1+10D	
KY	606	7D	1+10D	10D	1+10D	6
KY	859	7D	1+10D	10D	1+10D	6
LA	225	7D	1+10D	10D	1+10D	
LA	318	7D	1+10D	10D	1+10D	
LA	337	7D	1+10D	10D	1+10D	
LA	504	7D	1+10D	10D	1+10D	
LA	985	7D	1+10D	10D	1+10D	
MA	339	10D	1+10D	10D	1+10D	
MA	351	10D	1+10D	10D	1+10D	
MA	413	7D	1+10D	10D	1+10D	
MA	508	10D	1+10D	10D	1+10D	
MA	617	10D	1+10D	10D	1+10D	
MA	774	10D	1+10D	10D	1+10D	
MA	781	10D	1+10D	10D	1+10D	
MA	857	10D	1+10D	10D	1+10D	
MA	978	10D	1+10D	10D	1+10D	
MD	240	10D	1+10D	10D	1+10D	
MD	301	10D	1+10D	10D	1+10D	
MD	410	10D	1+10D	10D	1+10D	
MD	443	10D	1+10D	10D	1+10D	
MD	667	10D	1+10D	10D	1+10D	
ME	207	7D	7D	1+10D	1+10D	
MI	231	7D	1+10D	10D	1+10D	
MI	248	10D	1+10D	10D	1+10D	
MI	269	7D	1+10D	10D	1+10D	
MI	313	7D	1+10D	10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
MI	517	7D	1+10D	10D	1+10D	
MI	586	7D	1+10D	10D	1+10D	
MI	616	7D	1+10D	10D	1+10D	
MI	734	7D	1+10D	10D	1+10D	
MI	810	7D	1+10D	10D	1+10D	
MI	906	7D	1+10D	10D	1+10D	
MI	947	10D	1+10D	10D	1+10D	
MI	989	7D	1+10D	10D	1+10D	
MN	218	7D	1+10D	7D	1+10D	
MN	320	7D	1+10D	7D	1+10D	
MN	507	7D	1+10D	7D	1+10D	
MN	612	7D	1+10D	10D	1+10D	
MN	651	7D	1+10D	10D	1+10D	
MN	763	7D	1+10D	10D	1+10D	
MN	952	7D	1+10D	10D	1+10D	
MO	314	7D	1+10D	10D	1+10D	
MO	417	7D	1+10D	10D	1+10D	
MO	573	7D	1+10D	10D	1+10D	
MO	636	7D	1+10D	10D	1+10D	
MO	660	7D	1+10D	10D	1+10D	
MO	816	7D	1+10D	10D	1+10D	
MS	228	7D	1+10D	10D	1+10D	
MS	601	10D	1+10D	10D	1+10D	
MS	662	7D	1+10D	10D	1+10D	
MS	769	10D	1+10D	10D	1+10D	
MT	406	7D	1+10D	7D	1+10D	
NC	252	7D	1+10D	10D	1+10D	
NC	336	7D	1+10D	10D	1+10D	
NC	704	10D	1+10D	10D	1+10D	
NC	828	7D	1+10D	10D	1+10D	
NC	910	7D	1+10D	10D	1+10D	
NC	919	10D	1+10D	10D	1+10D	
NC	980	10D	1+10D	10D	1+10D	
NC	984	10D	1+10D	10D	1+10D	
ND	701	7D	1+10D	7D	1+10D	
NE	308	7D	1+10D	7D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
NE	402	10D	1+10D	10D	1+10D	
NE	531	10D	1+10D	10D	1+10D	
NH	603	7D	7D	1+10D	1+10D	
NJ	201	10D	10D	1+10D	1+10D	7
NJ	551	10D	10D	1+10D	1+10D	7
NJ	609	7D	7D	1+10D	1+10D	
NJ	732	10D	10D	1+10D	1+10D	8
NJ	848	10D	10D	1+10D	1+10D	8
NJ	856	7D	7D	1+10D	1+10D	
NJ	862	10D	10D	1+10D	1+10D	9
NJ	908	7D	7D	1+10D	1+10D	
NJ	973	10D	10D	1+10D	1+10D	9
NM	505	7D	1+10D	10D	1+10D	
NM	575	7D	1+10D	10D	1+10D	
NV	702	10D	1+10D	10D	1+10D	
NV	725	10D	1+10D	10D	1+10D	
NV	775	7D	1+10D	10D	1+10D	
NY	212	1+10D	1+10D	1+10D	1+10D	
NY	315	7D	7D	1+10D	1+10D	
NY	347	1+10D	1+10D	1+10D	1+10D	
NY	516	7D	7D	1+10D	1+10D	
NY	518	7D	7D	1+10D	1+10D	
NY	585	7D	7D	1+10D	1+10D	
NY	607	7D	7D	1+10D	1+10D	
NY	631	7D	7D	1+10D	1+10D	
NY	646	1+10D	1+10D	1+10D	1+10D	
NY	716	7D	7D	1+10D	1+10D	
NY	718	1+10D	1+10D	1+10D	1+10D	
NY	845	7D	7D	1+10D	1+10D	
NY	914	7D	7D	1+10D	1+10D	
NY	917	1+10D	1+10D	1+10D	1+10D	
NY	929	1+10D	1+10D	1+10D	1+10D	
OH	216	7D	1+10D	10D	1+10D	10
OH	220	10D	1+10D	10D	1+10D	10
OH	234	10D	1+10D	10D	1+10D	10
OH	330	10D	1+10D	10D	1+10D	10

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
OH	419	10D	1+10D	10D	1+10D	10
OH	440	7D	1+10D	10D	1+10D	10
OH	513	7D	1+10D	10D	1+10D	10
OH	567	10D	1+10D	10D	1+10D	10
OH	614	7D	1+10D	10D	1+10D	10
OH	740	10D	1+10D	10D	1+10D	10
OH	937	7D	1+10D	10D	1+10D	10
OK	405	7D	1+10D	7D	1+10D	
OK	539	10D	1+10D	10D	1+10D	
OK	580	7D	1+10D	7D	1+10D	
OK	918	10D	1+10D	10D	1+10D	
OR	458	10D	1+10D	10D	1+10D	
OR	503	10D	1+10D	10D	1+10D	
OR	541	10D	1+10D	10D	1+10D	
OR	971	10D	1+10D	10D	1+10D	
PA	215	10D	10D	(see note)	1+10D	11
PA	272	10D	10D	1+10D	1+10D	
PA	267	10D	10D	(see note)	1+10D	11
PA	412	10D	10D	(see note)	(see note)	12
PA	484	10D	10D	(see note)	1+10D	11
PA	570	10D	10D	1+10D	1+10D	
PA	610	10D	10D	(see note)	1+10D	11
PA	717	7D	7D	1+10D	1+10D	
PA	724	10D	10D	(see note)	(see note)	12
PA	814	7D	7D	1+10D	1+10D	
PA	878	10D	10D	(see note)	(see note)	12
Puerto Rico	787	10D	1+10D	10D	1+10D	
Puerto Rico	939	10D	1+10D	10D	1+10D	
RI	401	7D	7D	1+10D	1+10D	
SC	803	7D	1+10D	10D	1+10D	
SC	843	10D	1+10D	10D	1+10D	
SC	854	10D	1+10D	10D	1+10D	
SC	864	7D	1+10D	10D	1+10D	
SD	605	7D	1+10D	7D	1+10D	
TN	423	7D	1+10D	10D	1+10D	
TN	615	10D	1+10D	10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
TN	629	10D	1+10D	10D	1+10D	
TN	731	7D	1+10D	10D	1+10D	13
TN	865	7D	1+10D	10D	1+10D	
TN	901	7D	1+10D	10D	1+10D	
TN	931	7D	1+10D	7D	1+10D	
TX	210	7D	1+10D	10D	1+10D	
TX	214	10D	1+10D	10D	1+10D	
TX	254	7D	1+10D	10D	1+10D	
TX	281	10D	1+10D	10D	1+10D	
TX	325	7D	1+10D	10D	1+10D	
TX	346	10D	1+10D	10D	1+10D	
TX	361	7D	1+10D	10D	1+10D	
TX	409	7D	1+10D	10D	1+10D	
TX	430	10D	1+10D	10D	1+10D	
TX	432	7D	1+10D	10D	1+10D	
TX	469	10D	1+10D	10D	1+10D	
TX	512	10D	1+10D	10D	1+10D	
TX	682	10D	1+10D	10D	1+10D	
TX	713	10D	1+10D	10D	1+10D	
TX	737	10D	1+10D	10D	1+10D	
TX	806	7D	1+10D	10D	1+10D	
TX	817	10D	1+10D	10D	1+10D	
TX	830	7D	1+10D	10D	1+10D	
TX	832	10D	1+10D	10D	1+10D	
TX	903	10D	1+10D	10D	1+10D	
TX	915	7D	1+10D	10D	1+10D	
TX	936	7D	1+10D	10D	1+10D	
TX	940	7D	1+10D	10D	1+10D	
TX	956	7D	1+10D	10D	1+10D	
TX	972	10D	1+10D	10D	1+10D	
TX	979	7D	1+10D	10D	1+10D	
USVI	340	7D	1+10D	NA	1+10D	
UT	385	10D	1+10D	10D	1+10D	
UT	435	7D	1+10D	7D	1+10D	
UT	801	10D	1+10D	10D	1+10D	
VA	276	7D	1+10D	10D	1+10D	

U.S. Dialing Plans

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
VA	434	7D	1+10D	10D	1+10D	
VA	540	7D	1+10D	10D	1+10D	
VA	571	10D	1+10D	10D	1+10D	
VA	703	10D	1+10D	10D	1+10D	
VA	757	7D	1+10D	10D	1+10D	
VA	804	7D	1+10D	10D	1+10D	
VT	802	7D	1+10D	1+10D	1+10D	
WA	206	7D	1+10D	10D	1+10D	
WA	253	7D	1+10D	10D	1+10D	
WA	360	7D	1+10D	10D	1+10D	
WA	425	7D	1+10D	10D	1+10D	
WA	509	7D	1+10D	10D	1+10D	
WI	262	7D	1+10D	1+10D	1+10D	
WI	414	7D	1+10D	1+10D	1+10D	
WI	534	10D	1+10D	1+10D	1+10D	
WI	608	7D	1+10D	1+10D	1+10D	
WI	715	10D	1+10D	1+10D	1+10D	
WI	920	7D	1+10D	1+10D	1+10D	
WV	304	10D	1+10D	10D	1+10D	
WV	681	10D	1+10D	10D	1+10D	
WY	307	7D	1+10D	7D	1+10D	

The dialing plan associated with all geographic area codes in service in the NANP can be found on the NANPA website **(http://www.nationalnanpa.com/reports/reports_npa.html)**.

Notes:

1. Other dialing plans may apply at the discretion of the local service provider.
2. Blank
3. Home NPA local calls are 7D in Brevard County.
4. See Planning Letter 291 for local dialing into the 954-754 NPAs.
5. All Extended Calling Service (ECS) calls directed to a presubscribed carrier will be dialed as 1+10D (PL 311).
6. Some cross-boundary 7D local dialing exists.
7. Calls between the 551 and 201 NPAs may be dialed as 10D.
8. Calls between the 732 and 848 NPAs may be dialed as 10D.
9. Calls between the 973 and 862 NPAs can be dialed as 10D.
10. Carriers must provide permissive 1+10D dialing for Foreign NPA Local Calls in areas where they provide optional Extended Area Service (EAS).
11. All calls within and between the 215, 267, 484, and 610 NPAs can be dialed as 10D or 1+10D. Calls to other NPAs must be dialed as 1+10D.
12. All calls within and between NPAs 412, 724, and 878 can be dialed as 10D or 1+10D. Calls to other NPAs must be dialed as 1+10D.
13. Note that some local calls may require dialing 10D or 1+10D depending on area and service provider.

Attachment 6 – 2015 NRUF and NPA Exhaust Analysis

NANPA projects NPA exhaust on a semi-annual basis. These projections were produced in April and October 2015. The tables below show the current quarter/year in which each NPA is projected to exhaust, based on analysis performed in October 2015. The table also provides forecasted NPA exhaust information from previous exhaust projections developed by NANPA. The current forecast is based on NRUF data as it existed on October 1, 2015 for the US and January 1, 2015 for Canada, except where noted. Forecasts marked "R" are based on rationed assignment limits. The change between the current and previous forecasts is given in quarters. A positive number indicates that the exhaust date has moved out to a later date. A negative number indicates that the exhaust is now projected to occur sooner than previously expected.

NPA Exhaust Forecasts Sorted By Area Code

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
New Jersey	201/551							2039	4Q			2049	2Q		k
District of Columbia	202	2021	1Q	2021	2Q	2019	1Q	2018	4Q	2018	2Q	2018	3Q	-1Q	
Connecticut	203/475														k
Canada	204/431	2032	1Q	2032	1Q	2029	1Q	2029	1Q			2030	1Q	NC	c
Alabama	205	2023	3Q	2021	2Q	2020	4Q	2020	2Q	2020	1Q	2020	4Q	+9Q	a
Washington	206	2029	1Q	2029	1Q	2028	3Q	2024	4Q	2024	4Q	2025	3Q	NC	
Maine	207	2021	3Q	2020	3Q	2019	1Q	2018	3Q	2017	3Q	2016	4Q	+4Q	a
Idaho	208	2018	2Q	2018	2Q	2018	2Q	2018	3Q	2018	3Q	2019	3Q	NC	
California	209	2021	4Q	2025	3Q	2027	2Q	2027	2Q	2027	4Q	2027	4Q	-15Q	b
Texas	210	2018	3Q	2018	3Q	2018	3Q	2017	4Q	2017	2Q	2018	4Q	NC	
New York	212/646	2017	4Q	2017	3Q	2018	1Q	2018	2Q	2017	4Q	2017	4Q	+1Q	
California	213											2047	2Q		k
Texas	214/469/972	2019	3Q	2019	3Q	2019	2Q	2019	3Q	2020	3Q	2020	3Q	NC	
Pennsylvania	215/267	2019	4Q	2019	1Q	2019	1Q	2017	4Q	2017	2Q	2017	2Q	+3Q	a
Ohio	216	2032	1Q	2032	2Q	2035	4Q	2035	2Q	2034	3Q	2034	3Q	-1Q	
Illinois	217	2020	2Q	2019	4Q	2018	1Q	2016	4Q	2016	2Q	2014	4Q	+2Q	
Minnesota	218	2027	2Q	2027	4Q	2028	3Q	2029	1Q	2026	4Q	2025	3Q	-2Q	
Indiana	219									2040	3Q	2033	2Q		k
Ohio	220/740							2015	2Q	2015	2Q	2015	2Q		k
Illinois	224/847	2028	3Q	2028	1Q	2027	3Q	2025	2Q	2026	4Q	2030	1Q	+2Q	
Louisiana	225											2036	4Q		k
Canada	226/519/548	2029	1Q	2029	1Q	2030	1Q	2030	1Q			2030	1Q	NC	c
Mississippi	228											2051	1Q		k
Georgia	229					2040	2Q	2040	1Q	2033	2Q	2029	4Q		k
Michigan	231	2036	4Q	2036	2Q	2039	1Q	2038	3Q	2037	3Q	2033	3Q	+2Q	
Ohio	234/330	2034	4Q	2034	2Q	2037	3Q	2033	4Q	2019	3Q	2020	2Q	+2Q	
Canada	236/250/604/778	2033	2Q	2033	2Q	2030	1Q	2030	1Q			2029	2Q	NC	c
Florida	239											2035	1Q		k
Maryland	240/301	2022	3Q	2023	1Q	2021	2Q	2021	2Q	2021	2Q	2020	3Q	-2Q	
Michigan	248/947											2030	4Q		k
Canada	249/705	2030	3Q	2030	3Q	2026	2Q	2026	2Q			2026	3Q	NC	c
Alabama	251											2038	1Q		k

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
North Carolina	252	2035	4Q	2035	2Q	2031	3Q	2031	1Q	2029	2Q	2028	1Q	+2Q	
Washington	253											2040	4Q		k
Texas	254									2036	3Q	2039	1Q		k
Alabama	256/938											2048	1Q		k
Indiana	260											2039	1Q		k
Wisconsin	262	2030	2Q	2029	4Q	2026	1Q	2021	4Q	2019	4Q	2019	3Q	+2Q	
Michigan	269	2029	2Q	2029	3Q	2037	3Q	2033	1Q	2035	1Q	2032	2Q	-1Q	
Kentucky	270/364											2014	1Q		k
Pennsylvania	272/570	2045	3Q									2013	3Q	-2Q	b
Virginia	276											2045	4Q		k
Texas	281/346/713/832	2023	2Q	2022	4Q	2025	4Q	2025	2Q	2027	3Q	2014	3Q	+2Q	
Canada	289/365/905	2026	1Q	2026	1Q	2036	1Q	2036	1Q			2035	3Q	NC	c
Delaware	302	2036	3Q	2036	3Q	2036	2Q	2034	3Q	2034	1Q	2029	1Q	NC	
Colorado	303/720	2019	4Q	2020	1Q	2021	1Q	2021	3Q	2021	1Q	2021	4Q	-1Q	
West Virginia	304/681	2033	2Q	2031	3Q	2031	1Q	2031	3Q			2034	2Q	+7Q	a
Florida	305/786	2021	2Q	2021	2Q	2023	4Q	2023	3Q	2022	1Q	2023	2Q	NC	h
Canada	306/639											2013	2Q		c, d
Wyoming	307									2040	2Q	2034	4Q		k
Nebraska	308	2026	2Q	2026	1Q	2034	3Q	2033	4Q	2032	2Q	2033	3Q	+1Q	
Illinois	309	2029	1Q	2029	3Q	2029	2Q	2027	2Q	2026	1Q	2026	1Q	-2Q	
California	310/424	2028	2Q	2034	1Q	2033	3Q	2028	4Q	2028	2Q	2033	4Q	-23Q	b
Illinois	312/773/872	2030	2Q	2030	4Q	2036	3Q	2028	1Q	2024	1Q	2025	3Q	-2Q	
Michigan	313	2019	2Q	2019	3Q	2019	3Q	2019	1Q	2018	2Q	2018	1Q	-1Q	
Missouri	314	2019	4Q	2019	2Q	2019	1Q	2019	1Q	2019	1Q	2019	4Q	+2Q	
New York	315	2017	1Q	2017	1Q	2017	1Q	2017	2Q	2016	3Q	2015	1Q	NC	
Kansas	316	2024	3Q	2024	3Q	2024	2Q	2024	4Q			2048	1Q	NC	
Indiana	317	2016	4Q	2016	4Q	2017	1Q	2017	2Q	2017	2Q	2017	1Q	NC	
Louisiana	318	2027	1Q	2026	3Q	2026	1Q	2023	3Q	2023	2Q	2022	4Q	+2Q	
Iowa	319					2042	4Q	2042	1Q	2040	2Q	2040	4Q		k
Minnesota	320	2044	2Q	2043	4Q	2043	4Q			2040	2Q	2044	4Q	+2Q	
Florida	321/407	2016	4Q	2017	1Q	2016	4Q	2016	2Q	2015	4Q	2016	1Q	-1Q	g, k
Florida	321A											2043	4Q		g, k
California	323	2017	3Q	2018	1Q	2019	1Q	2018	1Q	2018	1Q	2018	1Q	NC	i
Texas	325		3Q												k
Illinois	331/630									2043	3Q	2047	3Q		k
Alabama	334	2029	2Q	2028	4Q	2025	4Q	2025	2Q	2025	3Q	2024	3Q	+2Q	
North Carolina	336/743			2016	4Q	2016	4Q	2016	3Q	2016	2Q	2016	2Q		f, k
Louisiana	337									2035	1Q	2031	2Q		k
Massachusetts	339/781											2044	3Q		k
Virgin Islands	340														k

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
Canada	343/613	2033	3Q	2033	3Q	2030	3Q	2030	3Q			2031	1Q	NC	c
New York	347/718/929	2022	1Q	2022	3Q	2022	3Q	2022	3Q	2023	1Q	2019	4Q	-2Q	
Massachusetts	351/978											2045	4Q		k
Florida	352	2028	3Q	2029	1Q	2029	3Q	2025	3Q	2022	3Q	2021	2Q	-2Q	
Washington	360	2019	1Q	2017	3Q	2017	3Q	2018	1Q	2017	1Q	2017	1Q	NC	i
Texas	361									2033	3Q	2033	3Q		k
Ohio	380/614			2016	2Q	2016	2Q	2016	4Q	2016	1Q	2014	4Q		f, k
Utah	385/801	2040	1Q	2038	3Q	2038	4Q	2037	4Q	2041	3Q			+6Q	a
Florida	386									2040	2Q	2042	1Q		k
Rhode Island	401					2042	3Q	2039	1Q	2036	2Q	2033	3Q		k
Nebraska	402/531							2039	1Q	2041	2Q	2042	3Q		k
Canada	403/587/780/825	2026	4Q	2026	4Q	2026	2Q	2026	2Q			2028	1Q	NC	c, d
Georgia	404/470/678/770	2022	3Q	2022	1Q	2022	2Q	2021	4Q	2022	2Q	2022	3Q	+2Q	
Oklahoma	405	2019	4Q	2019	4Q	2019	2Q	2018	1Q	2017	3Q	2016	4Q	NC	
Montana	406	2022	3Q	2019	3Q	2019	3Q	2019	4Q	2019	1Q	2018	3Q	+12Q	a
California	408/669			2043	1Q	2031	2Q	2043	4Q	2040	3Q	2040	3Q		k
Texas	409											2039	3Q		k
Maryland	410/443/667					2034	3Q	2032	1Q	2031	4Q	2040	3Q		k
Pennsylvania	412/724/878			2039	4Q			2032	1Q	2036	2Q	2029	3Q		k
Massachusetts	413			2035	4Q	2036	1Q	2035	4Q	2035	1Q	2032	4Q		k
Wisconsin	414	2034	2Q	2034	3Q	2034	1Q	2034	1Q	2032	4Q	2021	3Q	-1Q	
California	415/628	2043	1Q	2042	3Q			2015	3Q	2015	3Q	2015	3Q	+2Q	
Canada	416/437/647	2027	1Q	2027	1Q	2034	1Q	2034	1Q			2035	,2Q	NC	c
Missouri	417	2027	3Q	2030	3Q	2030	1Q	2033	1Q	2033	1Q	2031	3Q	-12Q	b
Canada	418/581	2023	4Q	2023	4Q	2022	2Q	2022	2Q			2022	2Q	NC	c
Ohio	419/567			2033	3Q			2038	1Q	2030	2Q	2025	1Q		k
Tennessee	423	2024	2Q	2024	4Q	2024	4Q	2024	2Q	2022	1Q	2019	2Q	-2Q	
Washington	425			2037	1Q	2036	3Q	2036	2Q	2035	2Q	2033	3Q		k
Texas	430/903							2043	3Q			2058	3Q		k
Texas	432									2041	2Q	2039	4Q		k
Virginia	434											2043	4Q		k
Utah	435											2044	3Q		k
Canada	438/514	2026	3Q	2026	3Q	2025	1Q	2025	1Q			2024	3Q	NC	c
Ohio	440	2019	3Q	2019	2Q	2019	2Q	2019	2Q	2019	2Q	2014	2Q	+1Q	
California	442/760	2040	1Q					2034	2Q	2034	2Q	2039	2Q		k
Canada	450/579	2032	4Q	2032	4Q	2025	3Q	2025	3Q			2030	2Q	NC	c
Oregon	458/541	2038	2Q	2036	3Q					2036	4Q			+7Q	a
Georgia	478											2034	1Q		k
	479							2042	1Q	2041	3Q	2037	1Q		k
Arizona	480	2021	1Q	2020	1Q	2019	4Q	2020	1Q	2020	1Q	2021	2Q	+4Q	a

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
Pennsylvania	484/610	2021	1Q	2020	1Q	2020	1Q	2018	2Q	2018	4Q	2019	4Q	+4Q	a
Arkansas	501			2042	2Q	2042	3Q	2037	1Q	2036	1Q	2030	3Q		k
Kentucky	502	2030	3Q	2030	3Q	2030	3Q	2030	1Q	2029	4Q	2022	1Q	NC	
Oregon	503/971	2038	4Q	2038	4Q	2042	3Q	2042	3Q	2043	3Q	2048	4Q	NC	
Louisiana	504	2038	3Q	2035	3Q	2035	1Q	2034	3Q	2033	1Q	2034	2Q	+12Q	a
New Mexico	505	2026	2Q	2026	4Q	2035	2Q	2035	1Q	2033	3Q	2032	4Q	-2Q	
Canada	506	2025	2Q	2025	2Q	2025	1Q	2025	1Q			2029	2Q	NC	c
Minnesota	507	2026	4Q	2026	4Q	2024	4Q	2024	2Q	2023	2Q	2022	2Q	NC	
Massachusetts	508/774	2032	1Q	2032	2Q	2032	3Q	2026	3Q	2027	2Q	2025	1Q	-1Q	
Washington	509	2024	2Q	2024	4Q	2024	2Q	2024	4Q	2025	3Q	2028	3Q	-2Q	
California	510	2019	4Q	2019	4Q	2020	2Q	2020	4Q	2021	2Q	2018	1Q	NC	
Texas	512/737			2040	1Q					2043	2Q	2047	4Q		k
Ohio	513	2019	2Q	2019	1Q	2019	1Q	2018	3Q	2018	4Q	2018	1Q	+1Q	
Iowa	515	2034	2Q	2034	3Q	2034	3Q	2034	1Q	2029	2Q	2030	3Q	-1Q	
New York	516	2022	2Q	2020	4Q	2020	4Q	2020	2Q	2019	4Q	2020	3Q	+6Q	a
Michigan	517	2028	4Q	2029	2Q	2034	2Q	2033	4Q	2029	3Q	2027	3Q	-2Q	
New York	518	2019	2Q	2019	2Q	2018	4Q	2018	4Q	2018	1Q	2017	1Q	NC	
Arizona	520	2027	1Q	2027	1Q	2029	2Q	2029	4Q	2029	2Q	2031	3Q	NC	
California	530	2022	3Q	2022	4Q	2025	1Q	2023	1Q	2023	1Q	2024	2Q	-1Q	
Wisconsin	534/715											2047	1Q		k
Oklahoma	539/918	2041	2Q	2040	4Q	2040	4Q	2042	4Q	2041	3Q	2036	3Q	+2Q	
Virginia	540	2022	2Q	2022	4Q	2023	2Q	2022	1Q	2023	3Q	2021	2Q	-2Q	
California	559	2023	4Q	2026	1Q	2033	3Q	2033	1Q	2032	4Q	2030	3Q	-9Q	b
Florida	561	2028	3Q	2027	1Q	2026	3Q	2024	2Q	2025	4Q	2027	3Q	+6Q	a
California	562	2033	4Q	2034	2Q	2034	2Q	2033	4Q	2034	3Q	2032	4Q	-2Q	
Iowa	563											2045	2Q		k
Virginia	571/703	2030	3Q	2030	1Q	2031	4Q	2031	2Q	2033	1Q	2032	2Q	+2Q	
Missouri	573	2023	1Q	2023	3Q	2023	4Q	2024	2Q	2024	4Q	2024	4Q	-2Q	
Indiana	574											2044	1Q		k
New Mexico	575	2042	2Q	2042	3Q							2036	3Q	-1Q	
Oklahoma	580	2026	2Q	2026	4Q	2029	3Q	2030	4Q	2030	3Q	2022	4Q	-2Q	
New York	585	2033	4Q	2033	2Q	2032	4Q	2032	2Q	2030	4Q	2030	1Q	+2Q	
Michigan	586	2028	2Q	2031	3Q	2036	4Q	2036	2Q	2026	1Q	2020	2Q	-13Q	b
Mississippi	601/769														k
Arizona	602	2021	2Q	2020	4Q	2020	2Q	2020	2Q	2023	1Q	2024	3Q	+2Q	
New Hampshire	603	2024	1Q	2023	4Q	2024	2Q	2020	2Q	2018	4Q	2018	3Q	+1Q	
South Dakota	605	2029	2Q	2029	2Q	2029	1Q	2028	3Q	2026	1Q	2024	4Q	NC	
Kentucky	606	2030	3Q	2029	2Q	2028	4Q	2028	2Q	2030	1Q	2029	4Q	+5Q	a
New York	607									2041	1Q	2033	3Q		k
Wisconsin	608	2025	4Q	2025	4Q	2025	2Q	2025	1Q	2024	3Q	2020	3Q	NC	

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
New Jersey	609	2018	4Q	2018	2Q	2017	2Q	2016	4Q	2016	1Q	2015	2Q	+2Q	
Minnesota	612	2029	2Q	2029	2Q	2029	4Q	2030	1Q	2036	1Q	2036	2Q	NC	
Tennessee	615/629							2015	2Q	2015	2Q	2015	2Q		k
Michigan	616	2028	2Q	2028	2Q					2036	4Q	2033	2Q	NC	
Massachusetts	617/857	2041	3Q	2041	3Q	2041	3Q	2041	4Q	2041	4Q	2031	3Q	NC	
Illinois	618	2021	3Q	2020	1Q	2020	3Q	2019	3Q	2017	4Q	2017	1Q	+6Q	a
California	619	2019	1Q	2022	1Q	2023	1Q	2021	4Q	2022	3Q	2021	4Q	NC	i
Kansas	620	2026	2Q	2027	4Q	2027	2Q	2031	1Q	2033	3Q	2031	4Q	-6Q	b
Arizona	623											2046	1Q		k
California	626	2029	3Q	2030	3Q	2030	3Q	2030	1Q	2032	2Q	2039	2Q	-4Q	b
New York	631	2016	3Q	2016	3Q	2016	3Q	2016	1Q	2016	1Q	2016	1Q	NC	
Missouri	636											2038	3Q		k
Iowa	641									2041	2Q	2041	2Q		k
California	650	2030	4Q	2031	2Q	2031	2Q	2026	1Q	2024	4Q	2026	2Q	-2Q	
Minnesota	651	2035	3Q	2030	3Q	2031	1Q	2033	2Q	2039	1Q	2030	2Q	+20Q	a
California	657/714	2040	3Q	2043	3Q					2038	4Q			-12Q	b
Missouri	660	2028	2Q	2034	2Q	2041	4Q	2041	3Q	2040	1Q	2035	3Q	-24Q	b
California	661	2025	4Q	2028	4Q			2026	4Q	2030	1Q	2033	4Q	-12Q	b
Mississippi	662	2030	3Q	2028	2Q	2027	4Q	2020	3Q	2020	4Q	2018	4Q	+9Q	a
CNMI	670														k
Guam	671														k
Texas	682/817	2040	3Q	2040	3Q	2042	1Q	2042	3Q	2042	3Q	2045	4Q	NC	
American Samoa	684														k
North Dakota	701	2021	3Q	2022	1Q	2022	1Q	2023	2Q	2022	2Q	2021	2Q	-2Q	
Nevada	702/725	2044	4Q	2041	3Q					2042	1Q	2043	4Q	+13Q	a
North Carolina	704/980	2040	2Q	2040	2Q	2040	4Q	2040	2Q	2039	2Q	2047	3Q	NC	
Georgia	706/762							2038	4Q	2038	3Q	2043	2Q		k
California	707	2021	3Q	2019	3Q	2019	4Q	2019	2Q	2019	3Q	2021	4Q	+8Q	a
Illinois	708	2017	2Q	2017	2Q	2016	4Q	2016	2Q	2016	2Q	2015	4Q	NC	
Canada	709	2024	2Q	2024	3Q	2033	4Q	2033	4Q			2033	4Q	NC	c
Iowa	712					2043	2Q	2043	3Q	2042	3Q	2044	4Q		k
New York	716	2023	4Q	2023	3Q	2023	3Q	2019	3Q	2019	1Q	2018	2Q	+1Q	
Pennsylvania	717	2018	3Q	2018	3Q	2018	3Q	2018	1Q	2017	3Q	2017	1Q	NC	
Colorado	719	2030	3Q	2031	1Q	2035	3Q	2035	1Q	2036	3Q	2031	2Q	-2Q	
Florida	727	2030	4Q	2031	2Q	2031	4Q	2031	2Q	2029	4Q	2031	3Q	-2Q	
Tennessee	731											2044	3Q		k
New Jersey	732/848									2042	2Q				k
Michigan	734	2023	4Q	2024	2Q	2025	2Q	2023	3Q	2021	3Q	2017	4Q	-2Q	
California	747/818	2044	1Q							2043	4Q	2044	2Q		k
Florida	754/954											2051	2Q		k

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
Virginia	757	2024	1Q	2023	3Q	2024	1Q	2023	3Q	2023	2Q	2021	4Q	+2Q	
Minnesota	763							2031	2Q	2038	4Q	2034	4Q		k
Indiana	765	2030	3Q	2030	2Q	2030	2Q	2028	1Q	2029	4Q	2027	1Q	+1Q	
Florida	772											2049	1Q		k
Nevada	775									2043	1Q	2037	1Q		k
Illinois	779/815									2037	2Q	2035	3Q		k
Canada	782/902	2036	4Q	2036	4Q	2014	4Q	2014	4Q			2014	4Q	NC	c
Kansas	785	2024	1Q	2024	1Q	2024	3Q	2024	3Q	2027	3Q	2024	3Q	NC	
Puerto Rico	787/939											2048	2Q		k
Vermont	802					2040	1Q	2031	2Q	2029	1Q	2028	4Q		k
South Carolina	803	2020	1Q	2020	1Q	2019	3Q	2018	4Q	2017	3Q	2016	4Q	NC	
Virginia	804	2028	3Q	2028	1Q	2028	2Q	2027	4Q	2031	3Q	2029	2Q	+2Q	
California	805	2018	4Q	2020	2Q	2020	2Q	2018	3Q	2019	1Q	2019	1Q	NC	i
Texas	806	2027	3Q	2026	1Q	2026	3Q	2026	1Q	2023	2Q	2022	2Q	+6Q	a
Canada	807														c, d
Hawaii	808	2029	3Q	2029	3Q	2030	2Q	2029	4Q	2028	3Q	2026	2Q	NC	
Michigan	810							2038	3Q	2037	1Q	2027	1Q		k
Indiana	812/930							2015	2Q	2015	2Q	2015	2Q		k
Florida	813	2022	3Q	2022	3Q	2023	3Q	2023	2Q	2022	4Q	2025	4Q	NC	
Pennsylvania	814	2020	4Q	2020	2Q	2020	3Q	2018	4Q	2018	3Q	2018	1Q	+2Q	
Missouri	816	2022	1Q	2020	1Q	2019	3Q	2021	4Q	2025	1Q	2028	2Q	+8Q	a
Canada	819/873					2032	4Q	2032	4Q			2035	3Q		c, d
North Carolina	828	2035	4Q	2035	2Q	2035	2Q	2032	3Q	2032	2Q	2030	2Q	+2Q	
Texas	830					2033	1Q			2037	1Q	2034	3Q		k
California	831											2048	2Q		k
South Carolina	843/854					2016	3Q	2016	1Q	2015	4Q	2015	4Q		k
New York	845	2023	4Q	2022	2Q	2022	2Q	2019	4Q	2020	1Q	2021	3Q	+6Q	a
Florida	850	2024	2Q	2022	2Q	2020	4Q	2018	4Q	2017	4Q	2018	2Q	+8Q	a
New Jersey	856	2038	2Q	2040	4Q	2031	1Q	2028	3Q	2029	3Q	2038	2Q	-10Q	b
California	858							2033	4Q	2034	1Q	2031	4Q		k
Kentucky	859	2038	1Q	2037	1Q			2038	1Q	2037	1Q	2033	2Q	+4Q	a
Connecticut	860/959									2014	4Q	2014	4Q		k
New Jersey	862/973									2042	1Q	2044	2Q		k
Florida	863											2040	2Q		k
South Carolina	864	2029	4Q	2029	4Q	2029	2Q	2029	4Q	2028	1Q	2022	1Q	NC	
Tennessee	865									2035	4Q	2035	3Q		k
Canada	867														c, d
Arkansas	870	2023	2Q	2024	4Q	2024	2Q	2027	4Q	2022	3Q	2019	3Q	-6Q	b
Tennessee	901	2034	3Q	2034	2Q	2037	2Q	2039	4Q	2041	1Q	2043	4Q	+1Q	
Florida	904	2028	1Q	2028	1Q	2028	3Q	2026	2Q	2024	1Q	2026	2Q	NC	

2015 NRUF and NPA Exhaust Analysis

Location	NPA	2015.2 FCST		2015.1 FCST		2014.2 FCST		2014.1 FCST		2013.2 FCST		2013.1 FCST		Change	Notes
		Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	Year	Qtr	2015.1 to 2015.2	
Michigan	906	2042	1Q	2042	3Q	2042	1Q	2038	1Q					-2Q	
Alaska	907	2028	2Q	2036	1Q	2036	3Q	2030	2Q	2028	4Q	2029	1Q	-31Q	b
New Jersey	908	2031	1Q	2031	1Q	2030	3Q	2030	1Q	2031	1Q	2033	1Q	NC	
California	909	2019	4Q	2021	2Q	2022	1Q	2019	3Q	2020	1Q	2022	4Q	-6Q	b
North Carolina	910	2021	4Q	2021	3Q	2021	3Q	2025	1Q	2023	3Q	2023	2Q	+1Q	
Georgia	912	2036	3Q	2038	3Q	2042	1Q	2038	1Q	2037	2Q	2037	2Q	-8Q	b
Kansas	913	2026	2Q	2026	2Q	2026	1Q	2026	1Q			2045	2Q	NC	
New York	914	2026	3Q	2024	3Q	2025	1Q	2023	1Q	2023	3Q	2027	4Q	+8Q	a
Texas	915											2045	3Q		
California	916	2018	4Q	2021	1Q	2021	3Q	2019	4Q	2021	1Q	2022	1Q	NC	i
New York	917														e
North Carolina	919/984														k
Wisconsin	920	2021	1Q	2022	3Q	2022	4Q	2022	2Q	2018	4Q	2019	2Q	-6Q	b
California	925							2027	2Q	2031	1Q	2033	4Q		k
Arizona	928							2032	4Q	2030	4Q	2031	1Q		k
Tennessee	931									2039	1Q	2029	1Q		k
Texas	936							2038	3Q			2042	1Q		k
Ohio	937	2020	4Q	2020	2Q	2020	2Q	2019	2Q	2017	4Q	2017	3Q	+2Q	
Texas	940											2044	2Q		k
Florida	941									2034	3Q	2034	3Q		k
California	949	2028	3Q	2033	2Q	2032	4Q	2032	2Q	2030	2Q	2031	2Q	-19Q	b
California	951	2028	2Q	2028	4Q	2029	2Q	2024	3Q	2025	4Q	2035	4Q	-2Q	
Minnesota	952	2039	3Q			2029	2Q	2029	2Q			2036	1Q	-26Q	b
Texas	956	2031	1Q	2031	2Q	2031	3Q	2030	2Q	2028	1Q	2029	1Q	-1Q	
Colorado	970	2023	4Q	2021	3Q	2022	1Q	2022	1Q	2020	2Q	2024	1Q	+9Q	a
Texas	979	2041	3Q									2036	4Q		k
Louisiana	985											2039	2Q		k
Michigan	989	2027	3Q	2027	2Q	2030	2Q	2029	1Q	2028	1Q	2022	3Q	+1Q	

Notes:

a. Reduced historical and projected demand.

b. Increased historical and projected demand.

c. Forecast based upon information provided by the Canadian Numbering Administration (CNA). The CNA normally provides only one projection per year. Change is from last forecast provided.

d. Canadian NPA. With an exhaust date beyond 2038, there is no exhaust date provided.

e. NPA is at exhaust. No codes available except for returns.

f. New NPA added.

g. Area Code 321A includes only Brevard County Florida; 407/321 includes the Counties around Orlando in Central Florida

h. Area Code 305/786 includes the KEYS rate center. NPA 305A, the KEYS, has been eliminated.

i. Reflects Delta NRUF forecast.

j. Intentionally Left Blank.

k. NPA Exhaust is beyond 30 years or the NPA exhaust moves to less than 30 years.

Attachment 7 – 2015 NANP Exhaust Analysis

Introduction

NANPA projects the exhaust of the NANP based upon the utilization and forecast data submitted by service providers via the NRUF process. The following assumptions were used in this exhaust analysis.

October 2015 NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2015 NANP exhaust projection prepared by NANPA. These are the same assumptions used in previous NANP exhaust studies.

1. The NANP exhaust study uses as its basis the CO code demand, which includes service provider and Pooling Administrator forecasts, historical CO code assignments and other NPA-specific information, calculated for each respective NPA. The monthly CO code demand as calculated in the NPA exhaust analysis is straight-lined to determine demand outside the five-year time frame included in NRUF submissions.

2. For NPAs in rationing, NANPA compared the actual CO code demand over the past year(s) with the rationed amount. In addition, NANPA compared the forecasted CO code demand provided by service providers and/or the Pooling Administrator to the rationed amount. Based upon this analysis, NANPA identified an average annual CO code demand rate for the NPA.

3. A new NPA will be required when the number of assigned and unavailable CO codes reaches 800.

4. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA. It appears that most of the unassignable codes in the existing NPAs are duplicated in the new NPA. There may be times, however, when additional codes in the new NPA are marked unassignable.

5. No assumptions were made with regard to the relief method implemented (i.e., NPA split vs. overlay). However, it was assumed that the selected relief method did not require the duplication or protection of central office codes other than those identified in number 4 above.

6. The CO code demand for an exhausting NPA will be continued after NPA relief. By doing so, the demand for both the existing and new NPAs will be taken into account for the geographic area covered by the original NPA.

7. The total quantity of available NPA codes will be 669 NPAs. This figure is derived as follows: 800 NPAs less NPAs reserved for NANP expansion (80), N11 codes (8), 555 and 950 NPAs (2), toll-free NPAs (9)[1] and non-geographic NPAs (32)[2].

8. To account for the variability of demand, a sensitivity analysis was performed to the CO code demand (i.e., demand will be increased and decreased by increments of 10%) to understand the impact on NANP exhaust.

Results Based On Assumptions

As recognized in previous NANP exhaust analyses, the model is sensitive to the yearly CO code demand rate. Using the monthly CO code demand for each U.S. NPA as calculated in the October 2015 NPA Exhaust Analysis, and straight-lining this demand beyond the five-year time frame included in NRUF submissions, creates an average yearly demand rate of 5,400 CO codes. This yearly demand rate was compared with demand rates in 2006 through 2015.

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1. NPAs 880, 881, 882, 883, 884, 885, 886, 887 and 889.
2. These include the 27 codes reserved for non-geographic services (522, 521, 523, 524, 525, 526, 527, 528, 529, 532, 535, 538, 542, 543, 545, 546, 547, 549, 550, 552, 553, 554, 556, 558, 569, 578 and 589) and 5 of the codes reserved for Canada (633, 644, 655, 677 and 688).

2015 NANP Exhaust Analysis

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2006	4,100	3,400
2007	3,200	2,900
2008	2,900	2,200
2009	2,100	1,600
2010	2,800	2,500
2011	2,900	2,400
2012	2,600	2,100
2013	2,700	2,400
2014	3,400	3,200
2015 (est.)	3,700	3,500

To project NANP exhaust, an average annual demand of 5,400 CO codes was used. Although this number is higher than the gross U.S. CO code demand as compared to previous years, it factors in the forecast data submitted as part of the August 2015 NRUF process, the demand in non-US NANP member area codes[3] and the possible increase in CO code demand that may occur over the remaining years of the NANP life.

Model Based On Projected Demand

Using an average CO code demand rate of 5,400 codes assigned per year, the projected NANP exhaust date is beyond 2045, assuming the quantity of NPAs available remains 669[4].

Sensitivity Analysis

For comparison purposes, NANPA performed a sensitivity analysis using an average annual demand of 6,500 CO codes, which represented a 20% increase in the base model demand. This resulted in a projected exhaust beyond 2045.

3. NANPA included an annual forecast of 1,000 CO codes for non-US NANP member countries.
4. The base model used in the April 2015 study used an average demand rate of 4,600 codes and projected an exhaust date beyond 2045.

Attachment 8 – 2015 5XX NPA Exhaust Analysis

Introduction

NANPA projects the exhaust of the 5XX NPA resource based upon the utilization and forecast data submitted by service providers via the NRUF process. The following assumptions were used in this exhaust analysis. The 5XX NPAs currently in service include the 500, 533, 544, 566, 577 and 588 codes.

October 2015 5XX Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2015 5XX NPA exhaust projection prepared by NANPA.

1. The 5XX NPA exhaust study uses as its basis the NXX code forecasts submitted via the NRUF reporting process and historical NXX code assignment information. The five year total forecasted demand is used to calculate the number of 5XX NPAs that will be needed over the next five years. This demand is also used to forecast when the current quantity of assigned and reserved 5XX NPAs will exhaust.

2. A new NPA will be required when the number of assigned and unassignable NXX codes reaches 800.

3. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA.

Results Based on Assumptions

Using the August 2015 NRUF data, the aggregated forecasted demand for 5XX-NXXs for the remainder of 2015 is 700 NXXs. The yearly forecasted demand for 2016 thru 2019 remains consistent at approximately 1,100 to 1,200 NXXs. This demand rate was compared with actual assignment data from 2008 through 2015.

Year	Annual Gross 5XX NXX Code Demand	Annual Net 5XX NXX Code Demand
2008	152	-62
2009	260	237
2010	717	717
2011	757	707
2012	365	357
2013	341	330
2014	639	570
2015 (thru Sep15)	429	401

To project the exhaust of the currently-assigned 5XX NPAs, an average annual demand of 800 5XX-NXX codes was used. This quantity is slightly higher than the actual demand in 2014 and potentially 2015 but accounts for an increase in demand over the next five years. Using this demand rate, the projected 5XX exhaust date of the six assigned 5XX NPAs is 2016. Further, it is expected that five new 5XX NPAs will be needed over the next five years.

In projecting the exhaust of the assigned and reserved 5XX NPAs (6 assigned 5XX NPAs and 27 reserved 5XX NPAs), an annual demand rate of 800 5XX-NXXs was used, resulting in the projected exhaust in 27 years. For comparison purposes, NANPA performed a sensitivity analysis using an average annual demand of 1,200 NXX codes, which represented a 50% increase in the base model demand. Using this annual demand, the projected exhaust of the 5XX resource is approximately 18 years.

1. The 5XX NPAs reserved for future expansion include the following: (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).

Attachment 9 – Where to Find Numbering Information

Many key numbering documents are available through the Internet. Here are some useful sites.

www.nanpa.com

This is the official NANPA website. Its contents include:

- Assignment listings for NANP numbering resources, including area codes, CICs, 5XX-NXX codes, 900-NXX codes, N11 codes, and vertical service codes.
- Relief planning information for the U.S. and its territories, including an NPA relief planning status chart, planning letters, and information on the relief planning process.
- Central office code assignment information for the U.S. and its territories.
- Contact information for numbering resources.
- Information for NRUF submissions.
- Area code maps.

www.cnac.ca

This is the Canadian Numbering Administrator's site. This site is the master reference for Canadian numbering assignment information and includes information similar to that provided by **www.nanpa.com** for the U.S. and its territories.

www.nationalpooling.com

This is the National Thousands-Block Pooling Administration's site. Information concerning thousands-block assignments and availability can be found here.

www.npac.com

This is the site for the Number Portability Administration Center or NPAC. The NPAC facilitates local number portability, the ability to change your service provider while retaining your telephone number.

- **www.npac.com/the-npac/portable-open-codes** – provides a listing of central office codes open in the NPAC.

www.fcc.gov

Sections of the FCC's website of particular interest are:

- **www.fcc.gov/wireline-competition-bureau** – the home page of the Wireline Competition Bureau. Orders related to numbering topics, including the Number Resource Optimization (NRO) orders, can be found here.
- **www.fcc.gov/encyclopedia/north-american-numbering-council** – the home page for the North American Numbering Council (NANC), a federal advisory committee of the FCC that provides analysis and recommendations to the FCC on numbering issues. This site contains their charter, meeting minutes and membership lists.
- **http://apps.fcc.gov/cgb/form499/499a.cfm** – provides an address and telephone number for service providers and identifies whether the provider offers local, wireless or toll services. The listed providers are those filing FCC Form 499-A, Telecommunications Reporting Worksheets.

www.crtc.gc.ca

This is the site for the Canadian Radio-television and Telecommunications Commission, the Canadian regulator.

www.nanc-chair.org

This is the home page for the Chair of the NANC. It contains presentations and reports provided to the NANC on issues currently being addressed by the Council. Also included is documentation from the various NANC working groups and issue management groups.

www.atis.org

This is the Alliance for Telecommunications Industry Solutions (ATIS) site. It has several sections of interest for numbering. Of particular interest is the Industry Numbering Committee (INC). All finalized INC documents are available for download, including assignment guidelines for numbering resources.

Where to Find Numbering Information

www.itu.int

This is the home page of the International Telecommunications Union in Geneva, Switzerland, the group that sets international standards for telephone numbers. Although much of the information on the site is available to ITU members only, some documents are available to all, including a list of assigned country codes.

www.naruc.org

This is the home page of the National Association of Regulatory Utility Commissioners. NARUC and its committees frequently take positions on numbering issues. Links to all of the state commissions' websites can be found at this site.

- www.naruc.org/about-naruc/regulatory-commissions/ – provides links to state regulatory commission websites.

www.somos.com

This site contains information about the 800 Service Management System (SMS/800) which is the central administration system for the management of Toll-Free Services.

www.nationalpani.com

This is the site of the permanent Routing Number Administrator (RNA) for the pseudo Automatic Number Identification (p-ANI) codes which are used for routing emergency calls for Voice over Internet Protocol (VoIP) services.

www.mbiadmin.com

This is the home page for the U.S. and Puerto Rico wireless number resource administrator for Mobile Identification Numbers (MIN), called the MIN Block Identifier (MBI). MBI Administration was created in 2002 when the MIN was separated from the Mobile Directory Number (MDN) and became a new number resource to support nationwide roaming, wireless number portability and number pooling.

www.neca.org

This is the site of the National Exchange Carriers Association (NECA). NECA administers the FCC's "access charge" plan. (Access charges are the fees long distance companies pay to access the local phone network to complete calls.)

www.nanpfund.com

The North American Numbering Plan (NANP) is a numbering scheme for the public switched telecommunications networks (PSTN) within the United States, Canada and participating Caribbean countries. The NANP Fund was established to cover the costs of the NANP and is funded by United States telecommunication service providers, and from Canada and Caribbean member countries. Section 52.17 of the Federal Communications Commission's rules state that all telecommunications carriers in the United States shall contribute on a competitively neutral basis to meet the costs of establishing numbering administration.

www.trainfo.com

This is the home page for Telecom Routing Administration, compilers and publishers of the LERGTM Routing Guide and other numbering documentation.

www.nena.org

This is the site of the National Emergency Number Association (NENA). NENA's mission is to foster the technological advancement, availability and implementation of universal emergency telephone number system (9-1-1).

Attachment 10 – Contacts in the Countries Participating in the North American Numbering Plan

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Anguilla	Hon. Curtis Richardson Minister of Infrastructure, Communications, Utilities and Housing Post Office Box 60 Coronation Avenue The Valley, Anguilla West Indies Phone: 264-497-2442 Fax: 264-497-5695	Larry Franklin Permanent Secretary MICUH Coronation Avenue PO Box 60 The Valley, Anguilla British West Indies Phone: 264-497-2651 Fax: 264-497-3651 larryf@gov.ai	Bill Withers Executive Chairman Public Utilities Commission P.O. Box 1400 The Valley, Anguilla Phone: 264-497-7374 Fax: 264-497-2782 bill.withers@gov.ai or www.pucanguilla.org
Antigua & Barbuda	Hon.Melford Nicholas Minister of State - Information, Broadcasting, Telecommunications, Science and Technology Coolidge Business Complex, Sir George Walter Highway St. John's, Antigua, West Indies Phone: 268-562-1868 www.ab.gov.ag	Daryl Jackson Acting Telecommunications Officer Ministry of Information, Broadcasting, Telecommunications, Science and Technology Telecommunications Division Coolidge Business Complex, Sir George Walter Highway St. John's, Antigua, West Indies Phone: 268-562-1868	
Bahamas	Stephen Bereaux Director of Policy & Regulations Utilities Regulation and Competition Authority (URCA) UBS Annex Building East Bay Street P.O Box N 4860 Nassau, Bahamas Phone: 242-393-0234 Fax: 242-393-0153 sbereaux@urcabahamas.bs or info@urcabahamas.bs		Stephen Bereaux Director of Policy & Regulations Utilities Regulation and Competition Authority (URCA) UBS Annex Building East Bay Street P.O Box N 4860 Nassau, Bahamas Phone: 242-393-0234 Fax: 242-393-0153 sbereaux@urcabahamas.bs or info@urcabahamas.bs
Barbados	Jehu Wiltshire Permanent Secretary Energy & Telecommunications Ministry of Finance and Investment, Telecommunications and Energy Trinity Business Centre Country Road St Michael Barbados. BB11081 Phone: 246- 434-2501 jwiltshire@energy.gov.bb	Reginald Bourne The Chief Telecommunications Officer Telecommunications Unit Trinity Business Centre Country Road, St. Michael, Barbados. BB11081 Phone: 246- 434-2502 Fax: 246-626-0960 Reginald.bourne@telecoms.gov.bb	
Bermuda	Kyle Masters Interim Chief Executive Bermuda Regulatory Authority 3rd Floor, Cumberland House 1 Victoria Street Hamilton HM 11, Bermuda Phone: 441-474-6017 Fax: 441-474-6048	Kyle Masters Interim Chief Executive Bermuda Regulatory Authority 3rd Floor, Cumberland House 1 Victoria Street Hamilton HM 11, Bermuda Phone: 441-474-6017 Fax: 441-474-6048 kmasters@rab.bm	
British Virgin Islands	Hon. Mark Vanterpool Minister of Communications and Works 33 Admin Drive Road Town, Tortola British Virgin Islands Phone: 284-468-3701 x2183 Fax: 284-468-3873 mcw@gov.vg	Guy L. Malone Chief Executive Officer, Telecommunications Regulatory Commission P.O. Box 4401 Road Town, Tortola, BVI Phone: 284-468-4165 Fax: 284-494- 6786 contact@trc.vg gmalone@trc.vg	

Contacts in the Countries Participating in the North American Numbering Plan

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Canada	Danielle May-Cuconato Secretary General Canadian Radio-television and Telecommunications Commission Ottawa, Ontario Canada K1A 0N2 Phone: 819-997-1027 www.crtc.gc.ca	Bob Martin Manager Strategic Research and Planning Canadian Radio-television and Telecommunications Commission Les Terrasses de la Chaudière Central Building 1 Promenade du Portage Gatineau, Quebec J8X 4B1 (by mail to: Ottawa, ON, Canada K1A 0N2) Phone: 819-953-3361 Robert.martin@crtc.gc.ca	Glen Brown Project Manager Canadian Numbering Administrator Leidos Canada 1516-60 Queen Street Ottawa, Ontario Canada K1P 5Y7 Phone: 613-683-3291 Fax: 613-563-9293 browng@leidos.ca www.cnac.ca
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Dominican Republic	Mr. Gedeon Santos Minister of State President Santo Domingo Dominican Republic Phone: 829-473-8553 Fax: 829-732-3877 gsantos@indotel.gob.do	Mr. Francisco Vegazo Manager Technical Management Phone: 829-473-8503 Fax: 829-732-7189 fvegazo@indotel.gob.do	Jose Perez Technical Engineer Phone: 829-473-8504 jperez@indotel.gob.do
Grenada	Hon. Gregory Bowen Minister for Communications, Works, Physical Development, Public Utilities & ICT Level 4 Ministerial Complex, Botanical Gardens Tanteen, St. George's, Grenada Phone: 473-440-2271/2 Fax: 473-440-4122 ministryofworks@gov.gd	Lawrence Samuel Coordinator National Telecommunications Regulatory Commission Maurice Bishop Highway, Grand Anse P.O. Box 854 St. George's, Grenada Phone: 473-435-6872 Fax: 473-435-2132 gntrc@ectel.int or lsamuel@ectel.int	Timothy Scott Telecommunications Engineer National Telecommunications Regulatory Commission Maurice Bishop Highway, Grand Anse P.O. Box 854 St. George's, Grenada Phone: 473-435-6872 Fax: 473-435-2132 gntrc@ectel.int or tscott@ectel.int

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Contacts in the Countries Participating in the North American Numbering Plan

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
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Attachment 11 – List of Acronyms

ABEC – Alternate Billing Exchange Code

ACNA – Access Customer Name Abbreviation

AOCN – Administrative Operating Company Number

ANI – Automatic Number Identification

ASR – Access Service Request

ATIS – Alliance for Telecommunications Industry Solutions

CIC – Carrier Identification Code

CLEC – Competitive Local Exchange Carrier

CD – Compact Disk

CO – Central Office

COCAG – Central Office Code (NXX) Assignment Guidelines

CMRS – Commercial Mobile Radio Service

CNA – Canadian Number Administrator

CPD – Competition Policy Division

CRTC – Canadian Radio-television and Telecommunications Commission

DDR – Donation Discrepancy Report

EFT – Electronic File Transfer

ERC – Easily Recognizable Code

FCC – Federal Communications Commission

FG B – Feature Group B

FG D – Feature Group D

FRN – FCC Registration Number

FTP – File Transfer Protocol

ILEC – Incumbent Local Exchange Carrier

INC – Industry Numbering Committee

ITU – International Telecommunications Union

IPD – Initial Planning Document

LRN – Location Routing Number

MTE – Months-to-Exhaust

LEC – Local Exchange Carrier

LRN – Location Routing Number

NANC – North American Numbering Council

NANP – North American Numbering Plan

NANPA – North American Numbering Plan Administration

NARUC – National Association of Regulatory and Utility Commissioners

NAS – NANP Administration System

NNS – NANP Notification System

NOWG – Numbering Oversight Working Group

NPA – Numbering Plan Area

NPAC – Number Portability Administration Center

NRO – Number Resource Optimization

NRUF – Numbering Resource Utilization/Forecast

OCN – Operating Company Number

p-ANI – Pseudo-Automatic Number Identification

PA – Pooling Administrator

PAS – Pooling Administration System

POTS – Plain Old Telephone Service

PSTN – Public Switched Telephone Network

TN – Telephone Number

TBPAG – Thousands-Block Number (NXX-X) Pooling Administration Guidelines

UMR – Utilization Missing Report

VoIP – Voice over Internet Protocol

VSC – Vertical Service Code

WCB – Wireline Competition Bureau

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