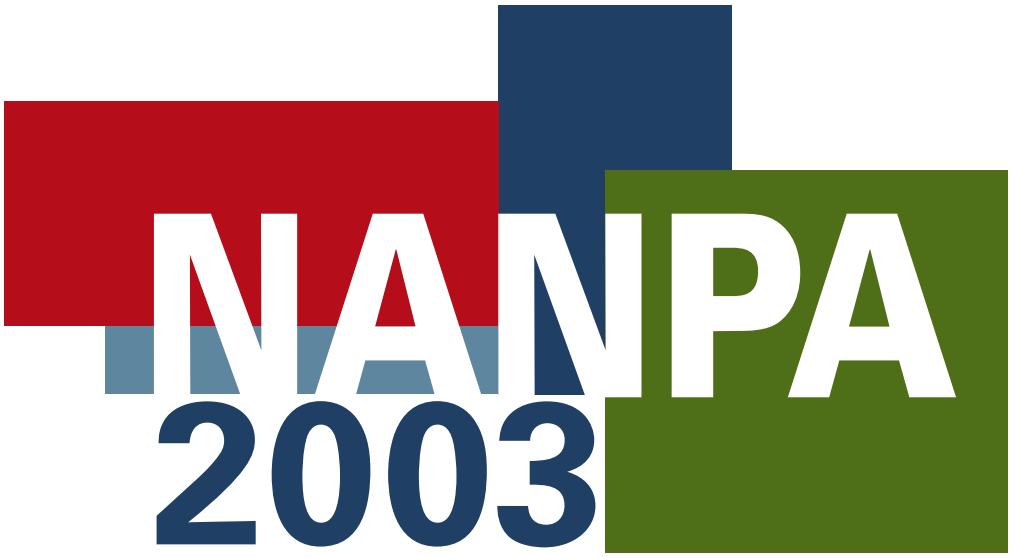

2003 Annual Report

NEUSTAR®

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To stakeholders in the North American Numbering Plan:

It is with great pleasure that NeuStar, Inc. presents the 2003 North American Numbering Plan Administration (NANPA) Annual Report. This annual report covers NANPA activities from January 1–December 31, 2003.

As in previous NANPA annual reports, this report focuses on the administration of various numbering resources of the North American Numbering Plan (NANP). The report provides a snapshot of the state of the NANP at the end of 2003. It also provides a useful and interesting description of the many activities undertaken by NANPA during the year. The data included in this report comes from the NANPA website, www.nanpa.com, where you can always locate the latest numbering information.

NeuStar understands the critical nature of the services that NANPA provides to the FCC, state regulatory commissions, the telecommunications industry and the general public. As NANPA, NeuStar remains committed to providing high quality, neutral, third party administration of the NANP. We promise to work diligently to maintain the trust you have placed in us.

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

Sincerely,

Jeffrey Ganek
Chairman and CEO
NeuStar, Inc.

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The North American Numbering Plan

History

AT&T developed the North American Numbering Plan in 1947 to simplify and facilitate direct dialing of long distance calls. North American Numbering Plan 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 North American Numbering Plan is an integrated numbering plan serving nineteen 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 more than fifty 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 of 1999 NANPA was transitioned from Lockheed Martin to NeuStar. In July, 2003 the FCC selected NeuStar through a competitive bid to serve as NANPA for another five year term.

Regulatory authorities in various North American Numbering Plan 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. Science Applications International Corporation (SAIC) Canada 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 regulatory authorities and national administrators to ensure that numbering resources are used in the best interests of all participants in the North American Numbering Plan.

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

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

NANPA funding

NANPA work is performed 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.

Code administration

Overview

Code administration includes receiving and processing applications for assignment, making and recording assignments, reclaiming resources no longer needed, 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 codes;
- PCS/N00 codes (500-NXX);
- 900-NXX codes;
- N11 codes;
- 555-XXXX line numbers;
- Carrier identification codes (CICs);
- International inbound NPA 456-NXX codes;
- 800 855-XXXX 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

NPA codes, often called "area codes," are the first three digits of the 10-digit North American Numbering Plan 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 4 to this annual report provides a complete inventory of NPA codes summarizing how they are allocated and used.

Most NPA codes designate specific geographic areas; for example, NPA 212 covers the island of Manhattan and NPA 605 covers the state of South Dakota. NPA codes used in this manner are called geographic NPA codes. As of December 31, 2003, 314 geographic NPA codes were in service. Of these, 274 serve the U.S. and its territories, 23 serve Canada, and the remaining 17 serve Bermuda and the Caribbean islands participating in the North American Numbering Plan. Attachments 1 and 2 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 13 such codes are in use. No new non-geographic NPA codes were assigned in 2003. Attachment 3 lists the non-geographic NPA codes currently in use.

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 dial able.

2003 Activities

Three new NPA codes were introduced in 2003, as shown in Table 1 below.

As of December 31, 2003, 39 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 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 cancelled or revised in the future.

Table1: New NPAs introduced in 2003

NPA	Date In Service	Location	Overlay	Parent NPA	Planning Letter Number(s)
430	2/15/2003	Texas	Yes	903	313
325	4/5/2003	Texas	No	915	322
432	4/5/2003	Texas	No	915	322

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. One new overlay was introduced in 2003. Listed in Table 3 are the overlay complexes in service as of December 31, 2003. The new overlay introduced in 2003 has an asterisk.

Table 2: Assigned NPA codes not yet in service as of December 31, 2003

New NPA	Location	Country	Anticipated In Service Date	Parent NPA	Status	Planning Letter Number(s)
226	Ontario	CANADA	2/19/2005	519	Scheduled	
227	MD	US		240	Pending	
283	OH	US		513	Suspended	316 286 264
331	IL	US		630	Pending	195
341	CA	US		510	Suspended	206 190
369	CA	US		707	Suspended	238 210
380	OH	US		614	Suspended	317 297 290
385	UT	US	3/30/2005	801	Scheduled	326 308 248 231
424	CA	US		310	Pending	250 125
438	Quebec	CANADA	9/24/2005	514	Scheduled	333 315
442	CA	US		760	Suspended	238 194
464	IL	US		708	Pending	195
470	GA	US		678	Pending	269
475	CT	US		203	Pending	255 217
557	MO	US		314	Suspended	303 279 261
564	WA	US		360	Suspended	298 239 196
627	CA	US		707	Suspended	238 210
628	CA	US		415	Suspended	206 191
657	CA	US		714	Suspended	206 169
659	AL	US		205	Pending	289 284
667	MD	US		443	Pending	299 266
669	CA	US		408	Suspended	206 149
679	MI	US		313	Pending	227 209
684	American Samoa	US	10/2/2004		Scheduled	330
689	FL	US		407	Suspended	325 323
737	TX	US		512	Suspended	276 233
747	CA	US		818	Pending	
764	CA	US		650	Suspended	206 193
822	NANP area			800	Pending	214
833	NANP area			800	Pending	214
835	PA	US		484	Pending	274 267 237
844	NANP area			800	Pending	214
855	NANP area			800	Pending	197
872	IL	US		312	Pending	195
935	CA	US		619	Suspended	230 128
951	CA	US	7/17/2004	909	Scheduled	334 215 206 189
959	CT	US		860	Pending	255 217
975	MO	US		816	Suspended	304 280 262
984	NC	US		919	Pending	306 271

Table 3: Overlay complexes

Location	Overlay Complex
British Columbia	604-778
Colorado	303-720
Florida	305-786
Florida	407-321
Florida	954-754
Georgia	404-770-678
Illinois	847-224
Maryland	301-240
Maryland	410-443
Massachusetts	508-774
Massachusetts	617-857
Massachusetts	781-339
Massachusetts	978-351
Michigan	248-947
New Jersey	201-551
New Jersey	732-848
New Jersey	973-862
New York	212-646-917
New York	718-347-917
North Carolina	704-980
Ohio	330-234
Ohio	419-567
Ontario	416-647
Ontario	905-289
Oregon	503-971
Pennsylvania	215-267
Pennsylvania	412-724-878
Pennsylvania	610-484
Puerto Rico	787-939
Texas	214-469-972
Texas	713-281-832
Texas	817-682
Texas*	903-430
Virginia	703-571

***Overlay introduced in 2003**

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). Some 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 NPA code, except in overlay areas where the NPA code 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 and even across state lines.

Resource report—Central office codes

Contact: Sandy Tokarek, 925-363-8701

Central office 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 NPA codes.

NANPA administers geographic central office codes in the U.S. and its territories. The Canadian Numbering Administrator performs this function in Canada. In Bermuda and the Caribbean, 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 9 to this annual report.

Service providers obtain numbers for their customers by applying for and receiving central office code assignments, each central office code containing 10,000 numbers, for use in the areas they serve. The pooling administrator uses the same process to request codes in order to replenish the supply of available thousands blocks. NANPA central office code administration, with offices located in Concord, California, tracks more than 123,000 assigned central office codes in the U.S. and its territories. NANPA pro-

Table 4: Central office code monthly application and assignment activities during 2003

	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03
Assignments	354	261	282	407	321	279	360	218	224	209	166	164
Changes	587	748	1190	1052	745	875	1118	622	907	782	542	613
Denials	193	194	201	335	179	209	115	123	103	158	136	171
Cancellations	30	79	62	51	42	63	53	22	25	47	31	23
Disconnects	184	209	140	179	152	100	225	154	201	127	40	77
Reservations	0	0	0	0	0	0	0	0	0	0	0	0
Total Processed	1348	1491	1875	2024	1439	1526	1871	1139	1460	1323	915	1048

cessed over 17,400 requests in 2003 for central office code assignments, code returns or changes to existing assignments.

The FCC, in its Number Resource Optimization 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 these guidelines can be found at the Alliance for Telecommunications Industry Solutions (ATIS) web site, at http://www.atis.org/atis/clc/inc/incdocs.htm.

Central office code activity

Central office code monthly application and assignment activities during 2003 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 of the information associated with a code assignment, for example, the operating company number (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 either because the applicant no longer requires a code or because the applicant has realized that the application contains a major error.

Disconnects—Applications requesting return (disconnection) of an assigned code.

Reservations—Applications requesting and receiving a code reservation.

Central office code administration quality measurements

Central office code administration quality results for 2003 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 ten business days. The table shows the percentage of applications processed within ten days, the number of applications exceeding the ten-day period, and, for those applications requiring more than ten days, the "average number of days late." The results in the table show uniform high quality processing.

2. **Code Rejects**—A code reject occurs when a code assigned by NANPA must be replaced because the code originally assigned cannot be placed into service. This occurs most frequently in areas where tariffs or regulatory directives allow non-standard dialing arrangements, typically seven-digit dialing of calls across area code boundaries. This practice limits the choice of codes that can be assigned for use in these areas.

3. **Telephone calls**—Code administrators are required to return telephone calls 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.

NANPA also uses customer satisfaction surveys to assess the quality of service provided by its code administrators. Once during each quarter, each applicant who has filed an application during that quarter is invited to complete a survey and return it to NeuStar's quality assurance group.

Results of the survey are shown in Table 5. In all, NANPA distributed 500 surveys and received 65 responses. Respondents were requested to rate their satisfaction with code administration on a scale of 1-5, with 5 indicating "very satisfied." Note that the survey was not conducted during the fourth quarter of 2003 to avoid conflict with the annual NANPA performance survey conducted by the NANC.

Table 5: Code Administration Customer Satisfaction Survey Results

	1Q-2003	2Q-2003	3Q-2003
Responses Received	23	21	21
Average Score	4.4	4.7	4.7

Respondents were asked to rate NANPA on courtesy, responsiveness, knowledge of code assignment guidelines and overall service quality.

Table 6: Central office code administration quality results for 2003

	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03
Percentage of central office code applications processed within 10 days	99.85%	100%	100%	100%	100%	99.8%	99.7%	99.9%	98.29%	99.9%	100%	100%
Number of applications exceeding 10 days processing	2	0	0	0	0	0	0	0	25	1	0	0
Average days late for applications exceeding 10 days processing	1	0	0	0	0	0	0	0	1	2	0	0
Percent of central office codes assigned without rejection	100%	99.6%	100%	100%	100%	99.6%	99.7%	100%	100%	100%	100%	100%
Number of code rejects	0	1	0	0	0	1	1	0	0	0	0	0
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	612	491	505	489	454	372	303	319	311	416	372	197
Average days late for phone calls returned late	0	0	0	0	0	0	0	0	0	0	0	0

NeuStar's Quality Assurance Group and NeuStar's senior management meet monthly with NANPA to review service quality results, determine when and why objectives were not met, and ensure that corrective actions are taken promptly.

Challenges in 2003

Central office code administration faced several challenges in 2003.

Disconnected codes with ported numbers—This issue relates to the disconnection of central office codes assigned to carriers that no longer provide service or plan to discontinue service. In order to discontinue service, carriers must follow the industry-defined process requiring them to file Part 1 disconnect requests for the affected codes 66 days prior to the date on which service will be discontinued. During the 66-day period, NANPA processes the application, the disconnect notice is published in the Telcordia™ LERG™ Routing Guide, and carriers schedule and make the required changes to their switches.

Local number portability has made the process significantly more complex. In areas where local number portability has been implemented, central office codes assigned to carriers discontinuing service often contain numbers that have been ported to other service providers. If numbers have been ported to other carriers, disconnecting the code disables the default routing path, causing some calls to the ported numbers to fail. In 2003, the Industry Numbering Committee updated the Central Office Code Assignment Guidelines Appendix C "Procedures for Returning Non-Pooled Codes with Active or Pending Ported Telephone Numbers (TNs)".

In 2003, 90 out of 1,788 central office codes submitted for disconnect were found to contain a total of 35,600 ported telephone numbers. Using the new procedures to process these 90 disconnects, NANPA successfully found new LERG™ assignees for 86 of the returned codes.

The FCC Numbering Resource Optimization (NRO) orders—The FCC's third NRO order (Third Report and Order and Second Order on Reconsideration in CC Docket No. 96-98 and CC Docket No. 99-200), released in late December 2001, confirmed the utilization threshold and formula for service providers to use in applying for CO codes. On June 30, 2003 the utilization threshold was raised to 70%, as previously ordered by the FCC. Some state commissions continue to use a higher utilization threshold, permissible as long as it does not exceed the FCC's established ceiling of 75%. NANPA continued to adhere to these state mandated utilization thresholds, where applicable.

The FCC order also provided a "safety valve," apart from the general waiver process, to allow carriers that do not meet the utilization threshold in a given rate center to obtain additional numbering resources under certain well-defined criteria. NANPA has worked cooperatively with both service providers and the state commissions to ensure this process works efficiently. Information on the effects of the FCC NRO orders can be found on the NANPA web site as well as the "safety valve" provision on a state basis.

Beginning in November 2002, wireless service providers were required to participate in thousands block number pooling. This FCC requirement impacted the quantity of central office code assignments in 2003, helping to decrease the quantity of assignments made by NANPA.

Unavailable Codes – In 2003, NANPA, at the request of several state regulatory commissions, facilitated industry calls to address central codes identified as unavailable. Through this effort, calls were held in 7 states addressing unavailable codes in 42 NPAs, resulting in 366 codes made available for assignment. State commissions and NeuStar undertook this effort in order to increase

the efficiency of number usage, in accordance with the FCC's objectives.

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 code administration and relief planning, develops local industry jeopardy procedure options at a meeting convened by NANPA. Once determined, local jeopardy procedures are posted on the NANPA web site, www.nanpa.com.

The number of jeopardies has declined each year; at the end of 2003 thirty-nine NPAs were in jeopardy. Numbering optimization efforts, the return of central office codes, have contributed to the decline. In 2003, NANPA also rescinded jeopardy in four NPAs.

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 form to NANPA. NANPA responds to the code applicant in writing by sending 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, the NANPA will send a reminder notice to the code assignee.

NANPA tracks code assignment effective dates, and, if the Part 4 form is not received within the six-month period following the effective date, the code is considered delinquent and NANPA notifies the appropriate regulatory authorities. The NRO order 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 web site 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. In June of 2003, NANPA initiated a new measurement to accurately reflect any discrepancies of reclamation records given to the state commissions on a monthly basis. NANPA's close monitoring of the Part 4 process and immediate action when the service provider fails to provide the required documentation is evident in the 2003 performance data summarized in Table 7.

The number of codes reclaimed in 2003 is substantial, and helped in the effort to avoid premature exhaust in some NPAs.

The Code Administration System (CAS)

Code applicants submit Part 1s, Months-to-Exhaust (MTE) worksheets, and Part 4s directly into CAS through a secure, web-based system. CAS automatically populates fields on the application forms wherever possible, simplifying data entry. CAS validates many of the fields on the forms, detecting and correcting errors before the forms are submitted. CAS allows applicants to save partially completed forms as templates for later use. CAS tracks submitted forms, allowing applicants to determine the status of their requests. CAS enables NANPA Code Administration to respond via the Part 3 the disposition of the Part 1 request.

In 2003 approximately fifty percent of all applications were submitted using CAS.

Clearly, CAS users are finding that the system's automated features meet their needs.

In July of 2003, the FCC awarded NeuStar, Inc. the NANPA contract for another five year term, renewable annually. As a result, a new system that incorporates a large part of CAS functionality and business logic became available in February 2004. The NANP Administration System (NAS) will manage resources, reclamations and provide reports. This enhanced system will manage all NANP resources and is not limited to Code Administration.

Table 7: 2003 performance data

	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03
Percentage of applicable codes on which timely reclamation was started	100%	100%	100%	100%	100%	91.5%	100%	100%	100%	100%	100%	100%
Average days late when reclamation was not started on time	0	0	0	0	0	1	0	0	0	0	0	0
Number of Reclamation Discrepancies Reported by State Commission(s) regarding Monthly reclamation List	n/a	n/a	n/a	n/a	n/a	1	0	0	0	0	0	0
Codes recovered	76	49	45	144	37	31	80	64	57	16	23	51

Reports

NANPA posts CO Code reports regularly to its web site for code assignments. In addition, NANPA distributes scheduled bi-weekly, monthly, and quarterly reports. Most of these reports were for regulatory authorities or were used internally to assist in the relief planning process. NANPA also distributes Part 1 and Part 3 information reports to many states on a daily, weekly or monthly basis.

In 2003 NANPA responded to a NANC request to identify grandfathered central office codes by NPA that could affect wireless number portability. As a result, a list of potential grandfathered codes was developed and posted to the NANPA web site.

Improving operations

Code Administration Tips (CATs)

NANPA Code Administration implemented CATs in order to assist those applying for Central Office Codes. The tips cover a wide variety of subjects including but not limited to; supporting documentation requirements, new procedures for code holder exit, and undesirable codes. More information about CATs can be found on the NANPA web site.

Data differences between CAS, LERG™, and NRUF

In 2003, NANPA continued its study to identify differences between CAS and LERG™ data. NANPA analyzed the differences and resolved these discrepancies. A comparison of CAS and LERG™ data performed in August of 2002 identified nearly 7,500 central office codes in which there were differences in OCN, code assignment status or rate center. By the end of 2003, NANPA had been able to reduce the total number of discrepancies by nearly 70%.

NANPA is resolving these differences by contacting each affected service provider, a labor-intensive process. NANPA will continue its efforts in 2004 and look for ways to encourage service providers to notify NANPA of any changes in code assignment information, as industry guidelines require them to do.

Code Administration Training

NANPA Code Administrators attended specialized training on subjects related to job duties and procedures. These training sessions increased code administrator knowledge, promoted greater productivity and minimized errors concerning customer service issues. Some of the training sessions held were covered topics such as code expedite procedures, OCN changes, code return process and NPA splits and overlays. NANPA Code Administration also conducted training sessions when guideline changes and regulatory directives were issued.

Resource report—500-NXX codes

Contact: Nancy Fears, 281-584-0345

NANPA assigns 500-NXX codes to carriers that provide personal communications service (PCS) to customers. The assignment guidelines, which may be downloaded from the ATIS website, http://www.atis.org/atis/clc/inc/incdocs.htm, define personal communications service as:

> …a set of capabilities that allows some combination of personal mobility, terminal mobility, and service profile management. It enables each personal communication service user to participate in a user-defined set of subscribed services, and to initiate and/or receive calls on the basis of some combination of a personal number, terminal number, and a service profile across multiple networks at any terminal, fixed or mobile, irrespective of geographic location. Service is limited only by terminal and network capabilities and restrictions imposed by the personal communication service provider.

It should be noted that 500 numbers are not portable; the NXX identifies the service provider.

During 2003 NANPA assigned 11 new 500-NXX codes, yielding an average assignment rate of less than one code per month, and reclaimed 15 codes. Based on the current assignment rate, and excluding reclaimed/returned codes, the supply of 500-NXX codes should last for the next 20 years.

Twelve 500-NXX codes are not available for assignment. These include 500-555 and 500-N11, as well as three codes remaining "in dispute." At the end of 2003, a total of 519 500-NXX codes were assigned and 270 remained available for assignment.

NANPA continues to provide information concerning assignments, updates, and reclamations to Telcordia Routing Administration (TRA) for inclusion in the LERG™. NANPA also solicits trouble reporting contact information for 500-NXX assignments and forwards the information to the Network Interconnection Interoperability Forum (NIIF) as required.

Resource report—900-NXX codes

Contact: Nancy Fears, 281-584-0345

During 2003, there were 3 new 900-NXX assignments, all for use in Canada, and 7 codes were reclaimed or returned. Since the newly assigned codes came from the pool of 900-NXX codes reserved for Canadian use, the overall number of codes available for assignment was unchanged.

Sixty-seven 900-NXX codes are not available for assignment. These include 900-N11 and 59 codes reserved for Canadian use.

At the end of 2003, a total of 199 900-NXX assignments/reservations were in effect. The number of 900-NXX codes avail-

able for assignment was 593. Exhaust of the 900 resource is not an issue at this time.

NANPA continues to provide information about assignments, updates, and reclamations to TRA for appropriate changes to the LERG™. NANPA also solicits trouble reporting contact information for 900-NXX assignments and forwards the information to the NIIF as required.

Resource report—N11 codes

Contact: John Manning, 571-434-5770

N11 codes, listed with their descriptions in the table below, are the only valid three-digit telephone numbers in the North American Numbering Plan.

The FCC administers N11 codes in the U.S., pursuant to the Telecommunications Act of 1996. The CRTC administers N11 codes in Canada. It should be noted that 411, 611, and 811, although long used for the purposes indicated in Table 8, have not been formally assigned by the FCC in the U.S. at this time.

There was no N11 assignment activity in 2003.

Table 8: N11 code assignments

N11 Code	Description
211	Community information and referral services
311	Non-emergency police and other governmental services (US); Unassigned in Canada
411	Local directory assistance
511	Traffic and transportation information (US); reserved (Canada)
611	Repair service
711	Telecommunications relay service (TRS)
811	Business office
911	Emergency

Resource report—555 line numbers

Contact: Nancy Fears, 281-584-0345

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 August, 1994. NANPA assigns these numbers according to industry-developed assignment guidelines that may be found on the ATIS website at http://www.atis.org/atis/clc/inc/incdocs.htm.

During 2003 NANPA assigned 13 new national line numbers, yielding an average assignment rate of one code per month. No 555 number assignments were reclaimed in 2003, even though the majority of the assigned numbers are not in service.

At the end of 2003, a total of 7,455 national assignments and 333 non-national assignments were in effect. In addition, 116 line numbers remain in "dispute" status, and 100 line numbers are reserved for the entertainment/advertising industries. There are 1,966 555 line numbers available for assignment.

The current assignment trend indicates no concern for exhaust of this resource.

Resource report—Carrier identification codes

Contact: Nancy Fears, 281-584-0345

Carrier identification codes (CICs) are four-digit codes used to route and bill telephone traffic. Normally, 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. In the U.S., the access service provider applies to NANPA for a CIC assignment on behalf of the access purchaser. In Canada, access service providers apply to the Canadian Numbering Administrator, who verifies that Canadian regulatory requirements have been met and forwards the application to NANPA.

Industry-consensus guidelines for the administration of CICs may be found on the ATIS website, http://www.atis.org/atis/clc/inc/incdocs.htm. The assignment guidelines encourage local exchange carriers (LECs) providing FG B and/or FG D access service, particularly LECs with more than 30 CICs programmed in their switches, to submit semi-annual CIC access/usage reports to NANPA for analysis.

Information contained in these reports serves as the basis for NANPA's reclamation of unused CICs in an ongoing effort to avoid exhaust of the resource. If no facilities-based LEC reports access/usage for a given CIC, NANPA initiates reclamation procedures. A letter (sent via certified mail or by Fedex for delivery verification purposes) advises the assignee of record that direct trunk access/usage must be established with a facilities-based LEC 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 direct 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 direct trunk access has not been provided, the CIC is reclaimed.

In some cases, the Post Office or Fed Ex returns NANPA's reclamation letter as "undeliverable." In these cases, NANPA advises INC of the inability to contact the assignee, that no direct trunk access/usage is being reported, and that the CIC will be reclaimed and made available for reassignment fol-

lowing the idle period required by the guidelines, unless 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 are occurring 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 B CIC activity

During 2003 NANPA assigned 3 FGB CICs, yielding an average assignment rate of 0.25 codes per month. 18 FGB CICs were reclaimed.

At the end of 2003, 819 FGB 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.

Table 9: Monthly FG B assignments, denials, and reclamations, with year totals

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	0	0	0	0
February	0	0	0	0
March	0	2	0	0
April	2	2	0	0
May	0	0	0	0
June	0	3	0	1
July	0	0	0	0
August	1	3	0	0
September	0	0	0	0
October	0	6	0	0
November	0	0	0	0
December	0	2	0	0
Total	**3**	**18**	**0**	**1**

FG D CIC activity

During 2003 NANPA assigned 191 FGD CICs, yielding an average assignment rate of 16 codes per month. US/Canadian switchless resellers received 38 of these assignments. 77 FGD CICs were reclaimed.

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

At the end of 2003, 2428 FGD CICs were assigned in total, leaving 7,351 FGD CICs available for assignment. Based on the 2003 average monthly assignment rate, the projected exhaust for the FGD CIC resource is over 459months (38 years). Note that reclaimed/returned FGD CIC assignments are not factored into this projection, and that this projection is based on current circumstances; i.e., the FCC limit of 2 FGD CICs per "entity."

Table 10: Monthly FG D assignments, denials, and reclamations, with year totals

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	12	2	2	2
February	15	2	2	1
March	15	2	0	2
April	22	3	3	0
May	17	2	4	0
June	15	9	4	1
July	26	10	10	1
August	8	4	4	0
September	23	4	3	1
October	9	20	5	1
November	16	3	1	0
December	13	16	0	0
Total	**191**	**77**	**38**	**9**

Resource report—456-NXX codes

Contact: John Manning, 571-434-5770

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 carriers under industry-developed guidelines that may be found on the ATIS website at www.atis.org/atis/clc/inc/incdocs.htm. The guidelines are entitled "International Inbound NPA (INT/NPA/NXX) Assignment Guidelines."

No additional 456-NXX assignments were requested during 2003. A complete list of 456-NXX assignments may be found on the NANPA website, www.nanpa.com.

Resource report—Automatic number identification "II" digits

Contact: John Manning, 571-434-5770

Automatic Number Identification (ANI) "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. 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 complete list of ANI II assignments may be found on the NANPA website, www.nanpa.com.

INC did not direct NeuStar to make additional ANI II digit assignments in 2003.

Resource report—800-855 numbers

Contact: John Manning, 571-434-5770

800-855 numbers are used only for the purpose of accessing 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 www.atis.org/atis/clc/inc/incdocs.htm.

No 800-855 numbers were assigned in 2003.

Resource report—Vertical service codes

Contact: John Manning, 571-434-5770

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 www.atis.org/atis/clc/inc/incdocs.htm.

NANPA made no VSC assignments in 2003. A complete listing of assigned VSCs is available on the NANPA website, www.nanpa.com.

NPA relief planning

Overview

Contact: John Manning, 571-434-5770

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 and Notification Guidelines, INC97-0404-016, which can be found on the ATIS website at www.atis.org/atis/clc/inc/incdocs.htm.

NANPA plays a key 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 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 (more than one if necessary) to consider the options presented in the IPD and any others that may be proposed. NANPA next prepares a petition describing 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 state commission reviews the proposed plan and often conducts public hearings and invites public comment. When that occurs, the relief planner actively participates and is often called upon to testify about various aspects of the proposed relief plan. 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, then convenes and facilitates the first industry implementation meeting. At this and subsequent implementation meetings, led by a facilitator chosen by the industry, carriers develop detailed plans for the implementation of the new area code according to the plan approved by the state commission. Using decisions made at the initial implementation meeting, the relief planner 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 for the new area code, 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.

NANPA's relief planners interface closely with central office code administrators. Relief planners schedule and facilitate jeopardy conference calls, and are deeply involved in decisions about the timing of relief activities involving central office codes.

In 2003, NANPA initiated one new relief planning project, a continued decrease from the 2 projects initiated in 2002 and from the 11 projects in 2001. The continuing decrease in the need for NPA relief reflects a number of important factors, including positive impacts of number optimization measures ordered by the FCC and the states, a reduction in demand for numbering resources, the recovery of unavailable CO codes and the return of a significant number of numbering resources by telecommunications service providers.

In 2003, NANPA relief planners facilitated 49 meetings, conducted entirely by conference call, and filed 5 petitions to withdraw relief plans with state commissions. They supported state commissions by participating in 12 state-sponsored public meetings and regulatory hearings. To keep the industry informed, NANPA issued 153 notifications using the Document Distribution Service (DDS), the electronic distribution system established by NeuStar in 1999. NANPA published three planning letters describing the details of new area code relief projects and other relief-related state regulatory orders. The decrease in projects is also reflected in the reduction of notifications to the industry as well as the number of planning letters published.

Table 11: Relief planning timeliness

Performance Measurement	Events in 2003	Completed on time	% on time completion
Initiated NPA relief planning within 36 months of NPA exhaust.	1	1	100%
Distribute initial industry meeting notice within 8 weeks of relief meeting date.	1	1	100%
Distribute IPD within 4 weeks of relief meeting date.	1	1	100%
Distributed meeting minutes within 2 weeks or date set at the meeting.	34	34	100%
Held minutes review by date set at the meeting.	18	18	100%
Filed relief-related petitions by date set at the meeting.	0	0	N/A
Requested relief NPA assignment within 1 week of regulatory approval.	0	0	N/A
Issued press release within 2 weeks after relief NPA code assignment.	0	0	N/A
Held implementation meeting within 45 days after relief NPA code assignment.	2	2	100%
Held jeopardy meeting within 30 calendar days after jeopardy declaration.	1	1	100%
Posted planning letter on website within 3 weeks after implementation meeting.	2	2	100%
Posted planning letter on website within 10 business days after regulatory change.	1	1	100%
Totals:	**61**	**61**	**100%**

Relief planning quality measurements

The guidelines prescribe time limitations for the completion of many NANPA 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. Over all, in 2003, NANPA completed 100% of the 61 tracked activities on schedule, consistent with the results for the year 2002.

For the second year, relief planners measured the promptness of their responses to voicemail and email messages. Results showed that NANPA relief planners continued to respond to over 99% of client voicemail and email messages no later than the end of the next business day.

Customer survey feedback

Participants at relief planning meetings held in 2003 were asked to evaluate NANPA's performance by completing a survey containing the 11 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 single relief planning meeting held during the year responded and rated their overall satisfaction at an average of 4.85 out of a maximum of 5.00.

In 2003, NANPA routinely conducted surveys to measure the quality of conference calls (other than relief planning meetings), where most of the industry's issues are discussed and resolved.

Table 12: Relief planning meeting satisfaction survey

Question	2003 response (average)	2002 response (average)
Received adequate meeting notice from NANPA?	4.83	4.93
NANPA was an effective facilitator?	4.92	4.92
Participant had an adequate opportunity to express opinions?	4.92	4.91
NANPA conducted the meeting impartially?	5.00	4.90
Overall satisfied with conduct of meeting?	4.92	4.89
NANPA provided satisfactory responses to questions & concerns?	4.83	4.87
NANPA provided satisfactory information about code history & NPA status?	4.67	4.80
Explained relief alternatives effectively?	4.75	4.76
Quality of documents and information provided was satisfactory?	5.00	4.72
NANPA presented well-developed & reasonable relief alternatives?	4.92	4.69
Participant could easily obtain documents from DDS?	4.55	4.58

During a one-month sampling period in each quarter, meeting participants rated NANPA's performance in 10 areas (using the same rating scale described previously), such as timely notification, audio quality, facilitation skills, and meeting preparation.

The survey covered 14 conference calls, including topics such as jeopardy, minutes review, regulatory filing review, and implementation meetings. The participants on the sampled conference calls responded to the survey and rated their overall satisfaction at an average of 4.87 out of a maximum of 5.00 (Table 13).

Table13: Relief planning conference call satisfaction survey

Question	Overall Average 2003	Overall Average 2002
NANPA conducted the conference call in an impartial manner?	4.96	4.96
NANPA provided adequate notice of the conference call?	4.97	4.95
Adequate opportunity to express opinions during the call?	4.93	4.92
Overall satisfaction with NANPA's conduct of the conference call?	4.93	4.89
NANPA was well prepared for the meeting?	4.81	4.86
NANPA was an effective facilitator on the call?	4.92	4.86
Quality of documents and information was satisfactory?	4.73	4.81
Information provided prior to the call was sufficient?	4.75	4.80
Easily able to obtain documents via DDS?	4.90	4.76
The conference call facilities (e.g., sound quality) were satisfactory?	4.81	4.60

Improved relief planning process

NANPA's relief planners continued using these improvements in the relief planning process during 2003:

- A "pre-planning" conference call now routinely precedes preparation of each IPD, allowing those with useful local knowledge to contribute to the development of better relief options. Rate center lists are now distributed much earlier in the relief planning process, allowing the industry and state regulatory commissions more time to study this information prior to relief planning meetings.
- All meetings are now conducted by conference call to reduce travel costs and to increase attendance, except in unusual circumstances and at the request of the industry.
- 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.
- With the recent decline in demand for CO codes the INC guidelines permit the industry to withdraw previously filed, unapproved NPA relief petitions that may no longer be needed. NANPA notified seven state regulatory commissions that eleven relief plans should be reconsidered due to reduced demand and return of assigned codes. As a result five petitions were withdrawn and one dismissed in 2003.

- NANPA may rescind jeopardy status when there is no longer any danger that an NPA will exhaust before relief can be provided. In 2003, NANPA rescinded jeopardy in four NPAs, thereby simplifying code application processing in these NPAs.
- NANPA published monthly reports on the status of NPA relief projects, including projects completed and dismissed. 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 provided a report that lists these events and associated activities.
- Relief planners provided a special training session for users of DDS to improve their knowledge of DDS features, focusing on the availability and downloading of relief planning documents
- NANPA continued to coordinate relief planning meetings with national pooling administration to avoid conflicts in meeting dates since the same industry representatives often attend both types of meetings.

Number resource utilization and forecast

Overview

Contact: Beth Sprague, 571-434-5513

As a result of the FCC's NRO Order in 2000, NANPA developed a new process for collecting, storing and maintaining data. This process is called Number Resource Utilization/Forecast (NRUF) Reporting. Service providers are required to report utilization and forecast data twice a year. Utilization data includes the quantity of assigned, intermediate, aging, administrative and reserved numbers. Forecast data typically includes a five year forecast of the quantity of thousands blocks and/or codes by rate center. The FCC NRO Order also required access to disaggregated NRUF data by state regulatory commissions and the Pooling Administrator and heightened reporting enforcement, including power to withhold numbering resources from carriers that fail to file utilization and forecast reports.

As required by the FCC, the NRUF system collects, sorts, and stores NRUF data submitted by service providers. Data may be submitted as e-mail attachments (i.e., Excel workbook) or through electronic file transfer (EFT). In 2003, NANPA processed more than 13,400 NRUF submissions. NANPA processed these submissions within a ten-day timeframe and provided confirmation of receipt within five days of receiving each submission. In addition to processing submissions, the NRUF group also responded to 3,400 telephone call and email inquiries.

In 2003, NANPA worked to improve the NRUF process and the accuracy of data provided to the FCC and states by continuing to enhance the directions provided to reporting carriers. In 2003, NANPA provided four refresher-training courses to assist reporting carriers with completing and updating the semi-annual Form 502. NANPA also provided reporting carriers with updates to the Form 502 Geographic and Non-Geographic Job Aids to provide specific instructions regarding regulatory clarifications (e.g., reporting on contaminated blocks, resold services, directions on reporting contamination over 10%). NANPA worked to educate reporting carriers on the Federal Registration Number (FRN) added to the Form 502 in Febuary 2003 by creating an initial set of Frequently Asked Questions regarding the new FRN requirement, as well as providing numerous notifications to reporting carriers via the NRUF email distribution list. NANPA continued to provide assistance to reporting carriers by delivering sixteen reminder notifications to alert reporting carriers of submission deadlines as well as notifications of updates to NRUF Job Aids.

NANPA's continuous efforts to improve the reporting process resulted in better quality data and generated improved NPA and statewide reports used by state regulatory commissions. Further, to maximize the value of this data, NANPA provided the states with refresher training on the use of the data provided in each state database.

Table 14: Summary of the volume of NRUF submissions and associated items for 2002

	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Form 502 Submissions	2637	675	62	78	68	20	2462	537	53	44	37	44
Form 502 Corrections	725	977	144	152	166	82	906	772	122	69	104	78
Form 502 Updates	140	172	278	154	177	192	224	526	134	171	167	186
Total submissions	3502	1824	484	384	411	294	3492	1835	309	284	308	308
Error notifications sent	794	1315	40	142	134	76	794	708	73	70	86	69
Missing Utilization notifications sent	n/a	130	0	0	0	0	0	0	100	0	0	0
Anomalous notifications sent	n/a	n/a	33	352	57	0	0	0	0	175	184	49
Confirmation notifications	1233	2210	473	248	273	208	2031	1849	214	213	218	219
Sent												
Phone calls/emails	790	500	125	218	231	42	760	315	70	90	140	125
Received												
State reports created	n/a	n/a	35	23	5	0	0	2	40	37	1	0
Job Aids Created/ Revised	3	0	0	0	1	0	0	0	0	0	0	2

2003 NRUF exhaust forecasts

One of the primary uses for NRUF data is to support forecasts of the exhaust date for each NPA as well as the exhaust date for the entire NANP. Detailed projections can be found in Attachments 6 and 7 to this annual report. The methodology used to produce the 2003 NPA exhaust projections was similar to the previous methodology NANPA has used in the past few years to project area code exhaust. This methodology was reviewed with the North American Numbering Council and the FCC. The methodology was modified however, to account for the availability of pooling data that did not previously exist. Specifically:

1. Both wireline and wireless service provider block forecasts for area codes in pooling as of December 31, 2002 were available as input to projecting central office code demand.
2. The impact of wireless number pooling was included in NPA exhaust projections. Previously, wireless pooling was not included due to the absence of any actual data indicating the potential impact of wireless pooling on CO code demand.

NANPA monitors central office code assignment rates in all NPA codes and adjusts the projected NPA exhaust date if necessary. Events that may impact the projected exhaust date include a reduction in code demand, the assignment or return of a large quantity of codes or the implementation of central office code rationing. In 2003, NANPA revised and posted to the NANPA web site forecasted exhaust dates for 32 NPAs.

Other NANPA Services

AOCN enterprise service

Contact: Heidi Wayman (925-363-8709)

Upon request, NANPA will enter data for a service provider's assigned central office codes into the routing and rating 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 to XXX 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."

Companies providing AOCN services charge service providers for data entered. NANPA's fees are explained in detail on the NANPA website.

Quality Measurements

NANPA's AOCN primary service objective is to complete data entry within five business days of receiving a request. NANPA's performance in 2003, shown in Table 15, reflects outstanding service, ensuring that service provider' code assignment data is input into the appropriate databases to enable the proper rating and routing of calls.

Financial results

A summary of the AOCN enterprise service revenues and direct expenditures is provided in Table 16. Ernst & Young has audited NANPA's statements of revenues and direct expenditures associated with the AOCN enterprise service for the years ended 1998 -2002. The audit was 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 were prepared for the purpose of complying with the requirements of the Third Report & Order (FCC Docket No. 92-237).

NRUF data entry enterprise service

Contact: Beth Sprague, 571-434-5513

NANPA is permitted to offer for fee enterprise services with FCC approval. This service involves entry of NRUF data. NRUF data is submitted twice a year. Normally, respondents submit data through email or by FTP. For a fee, NANPA will accept and input data submitted by mail or by fax. To date, no code holders have used this service and no funds have been expended to provide it.

NANPA website

Contact: John Manning, 571-434-5770

The NANPA website, www.nanpa.com, continues to be the primary public source of numbering information. Information previously only available from proprietary products or at

Table 15: NANPA AOCN performance in 2003

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of AOCN inputs completed in 5 days	100%	100%	100%	100%	100%	100%	100%	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	210	207	236	219	164	218	206	193	187	170	228	169

Table 16: NANPA AOCN financal results

	1998	1999	2000	2001	2002	2003*
Revenues	$35,594	$635,953	$1,257,175	$846,529	$538,004	$707,839
Direct Expenditures	$81,664	$380,550	$866,486	$739,417	$607,321	$409,947

***Results for 2003 are unaudited estimates**

significant cost is now available at no charge. All assignments made by NANPA are accessible through the site, except for certain information that the industry deems to be proprietary. Critical data, such as central office code assignment data and CIC assignments, is updated updated weekly.

Changes to the website in 2003 include:

- Restructuring the city to area code translator which now includes U.S. cities and towns with population greater than 20,000.
- Added new report to list area codes requiring ten-digit local dialing.
- New data reports that provide service providers with needed information such as grandfathered codes and codes unavailable for assignment that may be candidates to become available.

During the latter half of 2003, the website was completely rewritten to comply with the terms of the new FCC contract. The new website, introduced on February 9, 2004, retains all of the features previously available. Among the new features are the following:

- Redesigned top-down menus make it easier to navigate the site.
- Consolidation makes data and reports easier to find.
- Central office code and other reports are generated upon request in real time, and thus contain absolutely up-to-the-minute results.

One of the most valuable aspects of the site is the ability for anyone to submit questions about numbering and get answers, and many such questions are received by NeuStar every day. Before the NANPA web site existed, few people knew where to go to find this information. Questioners range from the general public requesting information on dialing plans to companies seeking the latest information concerning the assignment of area codes and prefixes. Hot topics for the general public include:

- Difficulty in determining one's local calling area. In many places, that information is no longer in telephone directories.
- Finding the area code associated with a city or town.
- Understanding how one may obtain a certain telephone number out of an assigned NPA and exchange.
- Updating databases containing telephone numbers to reflect area code splits.
- Correlating area codes and central office codes with zip codes.
- Various complaints about telephone service.
- Signing up to receive information about number administration matters.

Responding to these questions is a valuable service provided by NeuStar to the general public.

INC participation

Contact: Beth Sprague, 571-434-5513

NANPA participated actively in the INC during 2003, introducing 6 new issues and 11 contributions, as shown in the following tables. In 2003, NANPA provided the INC eight written communications to inform INC of changes in forecasted exhaust projections, gain approval for reclamations, provide updates on NANPA's interactions with regulatory authorities, and provide other relevant information during the year. In addition, NANPA continued to serve as the Document Management and Maintenance Workshop co-chair.

Table 17: NANPA INC issues introduced in 2003 and supporting contributions

Issue Number	Supporting Contribution Number	Issue/contribution title
408	DMM-127	Switchless Reseller ACNA Requirement for CIC
409	DMM-125	Recorded Announcement Period in INC Guidelines
420	CO/NXX-293	Data Integrity of Number Assignment Records
424		Delete Appendix G from COCAG
425	CO/NXX-297 CO/NXX-297r	Remove References from Issue 195
428	DMM-129	INC Form Changes to Accommodate NAS (NANP Administration System)

Table 18: NANPA 2003 contributions to other issues

Contribution Number	Title-Issue-Status
CO/NXX-284/ CO/ NXX-284r/ CO/NXX-289	Clarifications to Sections 4 and 5 of the App C/ App 7 --- to Issue 364: Modification to Procedures for Code Holder/LERG Assignee Exit --- ATTWS issue resolved 8/03
LNPA-464	LRN Survey --- Issue 416: Need for Multiple LRNs When There are Multiple Tandems in the Same LATA

Support for NANP countries other than the U.S.

The NANP is unique among the world's numbering plans in that it serves 19 independent countries. One of NANPA's most important 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 Canada, Bermuda, Jamaica, and the Dominican Republic use carrier identification codes. Some Canadian entities also offer 500 and 900 services, and share

the supply of 500-NXX and 900-NXX codes. NANPA works closely 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 2003, NANPA continued to meet regularly with the FCC, state commissions, and the NANC in support of their need for numbering information.

Ongoing communications between NANPA and the FCC are necessary to ensure proper administration and management of NANP resources. Issues such as the implementation of the optimization measures directed in the FCC's Number Resource Optimization orders, concerns with the use or possible misuse of NANP resources and FCC direction on specific number administration issues are just of few of the areas regularly addressed by NANPA and the FCC. NANPA provided updated utilization and forecast information to the FCC to facilitate their analysis of this important data. NANPA also met quarterly with the FCC to discuss relevant NANP and number administration issues in order for the Commission to be fully aware of matters impacting numbering. NANPA also worked with the FCC in the development of the new NANP Administration System (NAS), specifically highlighting areas of system development that required FCC direction or clarification.

Providing state regulatory commissions access to service provider specific utilization and forecast data remained a top priority for NANPA. NANPA continued to provide the states with numbering data they needed, and assisted states in following up with the appropriate service providers with regard to this data. This included conducting an NRUF refresher training to ensure states understood the data provided as well as the tools available to assist in their analysis of NRUF information. To assists states and the service provider industry in addressing central office code requests that did not meet FCC requirements and industry guidelines (commonly referred to as 'safety valve' requests), NANPA developed a matrix that defined the individual state processes for handling such requests. NANPA continued to work with the states in the reclamation of central office codes that were not placed in service in accordance with industry guidelines, to include conducting industry meetings to determine if codes presently unavailable for assignment could be made available for assignment. NANPA provided states with Part 1 and Part 3 reports, which provided the states a listing on a daily, weekly or monthly basis of all Part 1s and Part 3s processed by NANPA for their respective area codes. Finally, NANPA continued to participate in regular meetings with the states to provide updates on its activities and solicit input from the states on any numbering-related matter.

NANPA provided reports on numbering activities to the NANC. These reports included updates on NPA and CO code assignments, NPA and NANP exhaust projections, updates on the collection of NRUF submissions from service providers and information about other NANP number resources (e.g., CICs, 500, 900, 456 and 555 line numbers). NANPA provided a status on each NPA relief activity, to include specific events and milestones associated with relief and the identification of those NPAs projected to exhaust within 12 months in which no relief plan had been approved by the state. In response to a NANC concern about the assignment of multiple Location Routing Numbers (LRNS) on central office code assignments, NANPA developed and conducted a survey of the service provider community and the results were provided to the NANC. Further, NANPA responded to the NANC request to identify grandfathered central office codes by NPA that could affect wireless number portability. As a result, a list of potential grandfathered codes was developed and posted to the NANPA website. As part of its performance improvement plan, NANPA provided updates to the NANC concerning its progress in addressing operational performance issues. This included initiating an effort to identify and resolve discrepancies between NANPA code assignment records and the LERG. NANPA informed the NANC of its plans to deploy the new NANP Administration System (NAS) in association with the new FCC contract awarded in July 2003. Finally, NANPA continued to manage the NANC-Chair web page, used for posting NANC and subtending working group documentation.

Attachment 1—Geographic NPAs sorted by location

Country	Location	Npa
Anguilla	Anguilla	264
Antigua/barbuda	Antigua/barbuda	268
Bahamas	Bahamas	242
Barbados	Barbados	246
Bermuda	Bermuda	441
British Virgin Islands	British Virgin Islands	284
Canada	Alberta	403
Canada	Alberta	780
Canada	British Columbia	250
Canada	British Columbia	604
Canada	British Columbia	778
Canada	Manitoba	204
Canada	New Brunswick	506
Canada	Newfoundland	709
Canada	Nova Scotia	902
Canada	Ontario	289
Canada	Ontario	416
Canada	Ontario	519
Canada	Ontario	613
Canada	Ontario	647
Canada	Ontario	705
Canada	Ontario	807
Canada	Ontario	905
Canada	Quebec	418
Canada	Quebec	450
Canada	Quebec	514
Canada	Quebec	819
Canada	Saskatchewan	306
Canada	Yukon, Nw Terr., Nunavut	867
Cayman Islands	Cayman Islands	345
Dominica	Dominica	767
Dominican Republic	Dominican Republic	809
Grenada	Grenada	473
Jamaica	Jamaica	876
Montserrat	Montserrat	664
St. Kitts And Nevis	St. Kitts & Nevis	869
St. Lucia	St. Lucia	758
St. Vincent & Grenadines	St. Vincent & Grenadines	784
Trinidad And Tobago	Trinidad & Tobago	868
Turks & Caicos Islands	Turks & Caicos Islands	649
US	AK	907
US	AL	205
US	AL	251
US	AL	256
US	AL	334
US	AR	479
US	AR	501
US	AR	870
US	AZ	480
US	AZ	520
US	AZ	602
US	AZ	623
US	AZ	928
US	CA	209
US	CA	213
US	CA	310
US	CA	323
US	CA	408
US	CA	415
US	CA	510
US	CA	530
US	CA	559
US	CA	562
US	CA	619
US	CA	626
US	CA	650
US	CA	661
US	CA	707
US	CA	714
US	CA	760

Country	Location	Npa
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	CNMI	670
US	CO	303
US	CO	719
US	CO	720
US	CO	970
US	CT	203
US	CT	860
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	478
US	GA	678

Country	Location	Npa
US	GA	706
US	GA	770
US	GA	912
US	Guam	671
US	HI	808
US	IA	319
US	IA	515
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	618
US	IL	630
US	IL	708
US	IL	773
US	IL	815
US	IL	847
US	IN	219
US	IN	260
US	IN	317
US	IN	574
US	IN	765
US	IN	812
US	KS	316
US	KS	620
US	KS	785
US	KS	913
US	KY	270
US	KY	502
US	KY	606
US	KY	859
US	LA	225
US	LA	318
US	LA	337

Country	Location	Npa
US	LA	504
US	LA	985
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	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
US	MO	660
US	MO	816
US	MS	228
US	MS	601
US	MS	662
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	ND	701
US	NE	308
US	NE	402
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	NV	702
US	NV	775
US	NY	212
US	NY	315
US	NY	347
US	NY	516
US	NY	518
US	NY	585
US	NY	607
US	NY	631

Country	Location	Npa
US	NY	646
US	NY	716
US	NY	718
US	NY	845
US	NY	914
US	NY	917
US	OH	216
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	580
US	OK	918
US	OR	503
US	OR	541
US	OR	971
US	PA	215
US	PA	267
US	PA	412
US	PA	484
US	PA	570
US	PA	610
US	PA	717
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	864

Country	Location	Npa
US	SD	605
US	TN	423
US	TN	615
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	361
US	TX	409
US	TX	430
US	TX	432
US	TX	469
US	TX	512
US	TX	682
US	TX	713
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 Virgin Islands	340
US	UT	435
US	UT	801
US	VA	276
US	VA	434
US	VA	540
US	VA	571

Country	Location	Npa
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	608
US	WI	715
US	WI	920
US	WV	304
US	WY	307

Note: All geographic NPAs were in service as of December 31, 2003.

Attachment 2—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
224	US	IL
225	US	LA
228	US	MS
229	US	GA
231	US	MI
234	US	OH
239	US	FL
240	US	MD
242	Bahamas	Bahamas
246	Barbados	Barbados
248	US	MI
250	Canada	British Columbia
251	US	AL
252	US	NC
253	US	WA
254	US	TX
256	US	AL
260	US	IN
262	US	WI
264	Anguilla	Anguilla
267	US	PA
268	Antigua/Barbuda	Antigua/Barbuda
269	US	MI
270	US	KY
276	US	VA
281	US	TX
284	British Virgin Islands	British Virgin Islands

NPA	Country	Location
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
334	US	AL
336	US	NC
337	US	LA
339	US	MA
340	US	US Virgin Islands
345	Cayman Island	Cayman Islands
347	US	NY
351	US	MA
352	US	FL
360	US	WA
361	US	TX
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

NPA	Country	Location
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
425	US	WA
430	US	TX
432	US	TX
434	US	VA
435	US	UT
440	US	OH
441	Bermuda	Bermuda
443	US	MD
450	Canada	Quebec
469	US	TX
473	Grenada	Grenada
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
518	US	NY
519	Canada	Ontario
520	US	AZ
530	US	CA
540	US	VA
541	US	OR
551	US	NJ

NPA	Country	Location
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
580	US	OK
585	US	NY
586	US	MI
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
615	US	TN
616	US	MI
617	US	MA
618	US	IL
619	US	CA
620	US	KS
623	US	AZ
626	US	CA
630	US	IL
631	US	NY
636	US	MO
641	US	IA
646	US	NY
647	Canada	Ontario
649	Turks & Caicos Islands	Turks & Caicos Islands
650	US	CA
651	US	MN
660	US	MO
661	US	CA
662	US	MS
664	Montserrat	Montserrat
670	US	CNMI
671	US	Guam

NPA	Country	Location
678	US	GA
682	US	TX
701	US	ND
702	US	NV
703	US	VA
704	US	NC
705	Canada	Ontario
706	US	GA
707	US	CA
708	US	IL
709	Canada	Newfoundland
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
724	US	PA
727	US	FL
731	US	TN
732	US	NJ
734	US	MI
740	US	OH
754	US	FL
757	US	VA
758	St. Lucia	St. Lucia
760	US	CA
763	US	MN
765	US	IN
767	Dominica	Dominica
770	US	GA
772	US	FL
773	US	IL
774	US	MA
775	US	NV
778	Canada	British Columbia
780	CanadaA	Alberta
781	US	MA
784	St. Vincent & Grenadines	St. Vincent & Grenadines
785	US	KS
786	US	FL
787	US	Puerto Rico
801	US	UT
802	US	VT
803	US	SC

NPA	Country	Location
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
830	US	TX
831	US	CA
832	US	TX
843	US	SC
845	US	NY
847	US	IL
848	US	NJ
850	US	FL
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 & Tobago	Trinidad & Tobago
869	St. Kitts & Nevis	St. Kitts & Nevis
870	US	AR
876	Jamaica	Jamaica
878	US	PA
901	US	TN
902	Canada	Nova Scotia
903	US	TX
904	US	FL
905	Canada	Ontario
906	US	MI
907	US	AK
908	US	NJ
909	US	CA

NPA	Country	Location
910	US	NC
912	US	GA
913	US	KS
914	US	NY
915	US	TX
916	US	CA
917	US	NY
918	US	OK
919	US	NC
920	US	WI
925	US	CA
928	US	AZ
931	US	TN
936	US	TX
937	US	OH
939	US	Puerto Rico

NPA	Country	Location
940	US	TX
941	US	FL
947	US	MI
949	US	CA
952	US	MN
954	US	FL
956	US	TX
970	US	CO
971	US	OR
972	US	TX
973	US	NJ
978	US	MA
979	US	TX
980	US	NC
985	US	LA
989	US	MI

Note: All geographic NPAs were in service as of December 31, 2003.

Attachment 3—Non-geographic NPAs in service

The table below lists the non-geographic NPAs in service as of December 31, 2003, along with the service for which each is used.

NPA	Service
456	Inbound International
500	Personal Communication Service
600	Canadian Services
700	Interexchange Carrier Services
710	US Government
800	Toll-Free
866	Toll-Free
877	Toll-Free
880	Paid Toll-Free Service
881	Paid Toll-Free Service
882	Paid Toll-Free Service
888	Toll-Free
900	Premium Services

NPA codes 855, 844, 833, and 822 have been assigned for use as toll free codes, and will be introduced as needed.

NANPA receives many questions about NPA codes 456, 700 and 880-2. 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 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 numbers.

NPA codes 880-2 are used for "paid toll-free service." This service permits callers in one NANP countries to call toll-free numbers in another NANP country by dialing 880 in place of 800, 881 in place of 888, or 882 in place of 877. The use of 880, 881 and 882 will be phased out in early 2004 and these area codes will be set aside for future toll free services.

Attachment 4—NPA 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, 125 are not assignable or have been set aside by the Industry Numbering Committee (INC) for special purposes. These 125 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
883, 4, 5, 6, 7 and 889 (6)	Set aside for next series of toll-free codes.
521-9 (9)	Set aside temporarily to avoid billing conflicts with Mexican wireless callers roaming in the U.S.

Subtracting 125 from 800 leaves 675 assignable NPA codes. Of these, 366 have been assigned. Of these 366, 327 are in service and 39 are awaiting introduction. Of the 327 NPA codes in service, 314 are geographic and 13 are non-geographic.

Of the 675 assignable NPA codes, 309 are currently unassigned. Of these codes, 48 are easily recognizable codes (ERCs) currently allocated for non-geographic use, and 261 are general-purpose codes. Of these 261, 232 are reserved[1] for use as future geographic codes, leaving 29 available, unreserved general-purpose codes. If and when this number decreases below an acceptable level, the INC will identify an alternate source for geographic NPA codes. One possibility would be to designate some of the available ERCs for geographic use.

Of the 48 unassigned ERCs, 11 are reserved,[2] leaving 37 available.

Reserved codes are listed below.

220	282	381	460	545	639	729	820	879
221	286	382	461	546	640	730	821	921
223	287	383	462	548	642	735	823	923
230	326	384	463	549	645	739	824	924
232	327	387	465	550	652	741	825	926
235	328	389	467	552	653	742	826	927
236	329	420	468	556	656	743	827	929
237	332	421	471	558	658	745	829	930
238	335	426	472	560	663	746	834	932
241	338	427	474	565	665	748	836	934
245	342	428	476	568	668	749	837	938
247	343	429	481	572	672	750	838	942
249	346	431	483	576	673	751	839	943
257	349	436	485	579	674	752	840	945
258	350	437	486	581	675	753	841	946
259	353	439	487	582	676	756	842	948
261	354	445	489	583	680	759	846	953
263	356	446	531	584	681	761	849	957
265	357	448	532	587	683	762	851	974
271	358	449	534	589	685	768	853	976
272	359	451	535	625	686	769	854	981
273	362	452	536	629	721	771	861	982
274	363	453	537	634	723	779	871	983
278	365	454	539	635	725	782	873	986
279	367	457	542	637	726	783	874	
280	368	458	543	638	728	789	875	

[1] These codes have been designated for the relief of NPAs that NRUF predicts will exhaust in the next 20 years. Also included are 20 additional codes reserved for use in Canada at the request of the CRTC.

[2] These include five codes reserved for Personal Communications Service (500) expansion and six codes reserved for Canada. Canada has also reserved 699, which is counted as an expansion code.

Attachment 5—Dialing plans

Location	NPA	Overlay	Local calls within the same NPA	Toll calls within the same NPA	Local calls to another NPA	Toll calls to another NPA	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	
AL	256		7D	1+10D	10D	1+10D	
AL	334		7D	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	
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		7D	7D	1+10D	1+10D	
CA	323		7D	7D	1+10D	1+10D	
CA	408		7D	7D	1+10D	1+10D	
CA	415		7D	7D	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	626		7D	7D	1+10D	1+10D	
CA	650		7D	7D	1+10D	1+10D	
CA	661		7D	7D	1+10D	1+10D	
CA	707		7D	7D	1+10D	1+10D	
CA	714		7D	7D	1+10D	1+10D	
CA	760		7D	7D	1+10D	1+10D	
CA	805		7D	7D	1+10D	1+10D	
CA	818		7D	7D	1+10D	1+10D	

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Location	NPA	Local calls within the same NPA	Toll calls within the same NPA	Local calls to another NPA	Toll calls to another NPA	Overlay	Notes
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	
CNMI	670		7D	1+10D	NA	1+10D	
CO	303	Y	10D	1+10D	10D	1+10D	
CO	719		7D	1+10D	10D	1+10D	
CO	720	Y	10D	1+10D	10D	1+10D	
CO	970		7D	1+10D	10D/7D	1+10D	
CT	203		7D	1+10D	10D	1+10D	
CT	860		7D	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	Y	10D	1+10D	10D	1+10D	
FL	321	Y	10D	1+10D	10D	1+10D	5
FL	352		7D	1+10D	10D	1+10D	
FL	386		7D	1+10D	10D	1+10D	
FL	407	Y	10D	1+10D	10D	1+10D	
FL	561		7D	1+10D	10D	1+10D	1
FL	727		7D	1+10D	10D	1+10D	
FL	754	Y	10D	1+10D	10D	1+10D	
FL	772		7D	1+10D	10D	1+10D	1
FL	786	Y	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	
FL	941		7D	1+10D	10D	1+10D	
FL	954	Y	10D	1+10D	10D	1+10D	
GA	229		7D	1+10D	10D	1+10D	
GA	404	Y	10D	1+10D	10D	1+10D	
GA	478		7D	1+10D	10D	1+10D	

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Location	NPA	Local calls within the same NPA	Toll calls within the same NPA	Local calls to another NPA	Toll calls to another NPA	Overlay	Notes
GA	678	Y	10D	1+10D	10D	1+10D	
GA	706		7D	1+10D	10D	1+10D	
GA	770	Y	10D	1+10D	10D	1+10D	
GA	912		7D	1+10D	10D	1+10D	
Guam	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	Y	1+10D	1+10D	1+10D	1+10D	
IL	309		7D	1+10D	1+10D	1+10D	
IL	312		7D	1+10D	1+10D	1+10D	
IL	618		7D	1+10D	1+10D	1+10D	
IL	630		7D	1+10D	1+10D	1+10D	
IL	708		7D	1+10D	1+10D	1+10D	
IL	773		7D	1+10D	1+10D	1+10D	
IL	815		7D	1+10D	1+10D	1+10D	
IL	847	Y	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	
IN	765		7D	1+10D	10D	1+10D	
IN	812		7D	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		7D	1+10D	7D	1+10D	
KY	502		7D	1+10D	7D	1+10D	
KY	606		7D	1+10D	10D	1+10D	

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KY	859		7D	1+10D	10D	1+10D	
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	Y	10D	1+10D	10D	1+10D	
MA	351	Y	10D	1+10D	10D	1+10D	
MA	413		7D	1+10D	10D	1+10D	
MA	508	Y	10D	1+10D	10D	1+10D	
MA	617	Y	10D	1+10D	10D	1+10D	
MA	774	Y	10D	1+10D	10D	1+10D	
MA	781	Y	10D	1+10D	10D	1+10D	
MA	857	Y	10D	1+10D	10D	1+10D	
MA	978	Y	10D	1+10D	10D	1+10D	
MD	240	Y	10D	1+10D	10D	1+10D	
MD	301	Y	10D	1+10D	10D	1+10D	
MD	410	Y	10D	1+10D	10D	1+10D	
MD	443	Y	10D	1+10D	10D	1+10D	
ME	207		7D	1+10D	1+10D	1+10D	
MI	231		7D	1+10D	1+10D	1+10D	
MI	248	Y	10D	1+10D	1+10D	1+10D	
MI	269		7D	1+10D	10D	1+10D	
MI	313		7D	1+10D	1+10D	1+10D	
MI	517		7D	1+10D	1+10D	1+10D	
MI	586		7D	1+10D	1+10D	1+10D	
MI	616		7D	1+10D	1+10D	1+10D	
MI	734		7D	1+10D	1+10D	1+10D	
MI	810		7D	1+10D	1+10D	1+10D	
MI	906		7D	1+10D	1+10D	1+10D	
MI	947	Y	10D	1+10D	10D	1+10D	
MI	989		7D	1+10D	1+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	

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Location	NPA	Local calls within the same NPA	Toll calls within the same NPA	Local calls to another NPA	Toll calls to another NPA	Overlay	Notes
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		7D	1+10D	10D	1+10D	
MS	662		7D	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	Y	10D	1+10D	10D	1+10D	
NC	828		7D	1+10D	10D	1+10D	
NC	910		7D	1+10D	10D	1+10D	
NC	919		7D	1+10D	10D	1+10D	
NC	980	Y	10D	1+10D	10D	1+10D	
ND	701		7D	1+10D	7D	1+10D	
NE	308		7D	1+10D	7D	1+10D	
NE	402		7D	1+10D	7D	1+10D	
NH	603		7D	7D	1+10D	1+10D	
NJ	201	Y	10D	10D	1+10D	1+10D	
NJ	551	Y	10D	10D	1+10D	1+10D	
NJ	609		7D	7D	1+10D	1+10D	
NJ	732	Y	10D	10D	1+10D	1+10D	
NJ	848	Y	10D	10D	1+10D	1+10D	
NJ	856		7D	7D	1+10D	1+10D	
NJ	862	Y	10D	10D	1+10D	1+10D	
NJ	908		7D	7D	1+10D	1+10D	
NJ	973	Y	10D	10D	1+10D	1+10D	
NM	505		7D	1+10D	NA	1+10D	

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NV	702		7D	1+10D	10D	1+10D	
NV	775		7D	1+10D	10D	1+10D	
NY	212	Y	1+10D	1+10D	1+10D	1+10D	
NY	315		7D	7D	1+10D	1+10D	
NY	347	Y	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	Y	1+10D	1+10D	1+10D	1+10D	
NY	716		7D	7D	1+10D	1+10D	
NY	718	Y	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	Y	1+10D	1+10D	1+10D	1+10D	
OH	216		7D	1+10D	10D	1+10D	
OH	234	Y	10D	1+10D	10D	1+10D	
OH	330	Y	10D	1+10D	10D	1+10D	
OH	419	Y	10D	1+10D	10D	1+10D	
OH	440		7D	1+10D	10D	1+10D	
OH	513		7D	1+10D	10D	1+10D	
OH	567	Y	10D	1+10D	10D	1+10D	
OH	614		7D	1+10D	10D	1+10D	
OH	740		7D	1+10D	10D	1+10D	
OH	937		7D	1+10D	10D	1+10D	
OK	405		7D	1+10D	7D	1+10D	
OK	580		7D	1+10D	7D	1+10D	
OK	918		7D	1+10D	7D	1+10D	
OR	503	Y	10D	1+10D	10D	1+10D	4
OR	541		7D	1+10D	10D	1+10D	
OR	971	Y	10D	1+10D	10D	1+10D	
PA	215	Y	10D	10D	1+10D	1+10D	3
PA	267	Y	10D	10D	1+10D	1+10D	3
PA	412	Y	10D	10D	1+10D	1+10D	2

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PA	484	Y	10D	10D	1+10D	1+10D	3
PA	570		7D	7D	1+10D	1+10D	
PA	610	Y	10D	10D	1+10D	1+10D	3
PA	717		7D	7D	1+10D	1+10D	
PA	724	Y	10D	10D	1+10D	1+10D	2
PA	814		7D	7D	1+10D	1+10D	
PA	878	Y	10D	10D	1+10D	1+10D	2
PR	787	Y	10D	1+10D	10D	1+10D	
PR	939	Y	10D	1+10D	10D	1+10D	
RI	401		7D	7D	1+10D	1+10D	
SC	803		7D	1+10D	10D	1+10D	
SC	843		7D	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		7D	1+10D	7D	1+10D	
TN	731		7D	1+10D	10D	1+10D	
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	Y	10D	1+10D	10D	1+10D	
TX	254		7D	1+10D	10D	1+10D	
TX	281	Y	10D	1+10D	10D	1+10D	
TX	325		7D	1+10D	10D	1+10D	
TX	361		7D	1+10D	10D	1+10D	
TX	409		7D	1+10D	10D	1+10D	
TX	430	Y	10D	1+10D	10D	1+10D	
TX	432		7D	1+10D	10D	1+10D	
TX	469	Y	10D	1+10D	10D	1+10D	
TX	512		7D	1+10D	10D	1+10D	
TX	682	Y	10D	1+10D	10D	1+10D	
TX	713	Y	10D	1+10D	10D	1+10D	
TX	806		7D	1+10D	10D	1+10D	
TX	817	Y	10D	1+10D	10D	1+10D	

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Location	NPA	Local calls within the same NPA	Toll calls within the same NPA	Local calls to another NPA	Toll calls to another NPA	Overlay	Notes
TX	830		7D	1+10D	10D	1+10D	
TX	832	Y	10D	1+10D	10D	1+10D	
TX	903	Y	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	Y	10D	1+10D	10D	1+10D	
TX	979		7D	1+10D	10D	1+10D	
USVI	340		7D	1+10D	NA	1+10D	
UT	435		7D	1+10D	7D	1+10D	
UT	801		7D	1+10D	10D	1+10D	
VA	276		7D	1+10D	10D	1+10D	
VA	434		7D	1+10D	10D	1+10D	
VA	540		7D	1+10D	10D	1+10D	
VA	571	Y	10D	1+10D	10D	1+10D	
VA	703	Y	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	608		7D	1+10D	1+10D	1+10D	
WI	715		7D	1+10D	1+10D	1+10D	
WI	920		7D	1+10D	1+10D	1+10D	
WV	304		7D	1+10D	7D	1+10D	
WY	307		7D	1+10D	7D	1+10D	

[1]All ECS calls directed to a presubscribed carrier will be dialed as 1+10D. For more details consult Planning Letter 311 on the NANPA website.
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[5]10D local dialing applies to those NXX codes assigned as overlay to 407. All future assignments of NXXs from the 321 NPA are reserved for Brevard County and are 7D..

Attachment 6—2003 NRUF and NPA exhaust analysis

The tables below show the year and the quarter in which each NPA is projected to exhaust, based on analysis performed in 2003. Each forecast is based on NRUF data as it existed on April 1, 2003 for the US and January 1, 2003 for Canada. In some cases, identified by dates in the locality column, forecasts have been updated. In most cases, the previous forecast was made on April 1, 2002. There are two exceptions. First, if the locality field indicates a later date, the previous forecast refers to the April 1, 2003 forecast. Second, if the previous forecast is marked with an asterisk, the previous forecast refers to an intermediate forecast made later in 2003. Forecasts marked "R" are based on rationed assignment limits. The change between the current and previous forecasts is given in quarters. An unsigned 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

Locality	NPA	Current Forecast	Previous Forecast	Change (quarters)	Notes
New Jersey	201/551	2026 1Q	2018 4Q	29	Relief implemented 12/01; reduction in code demand; pooling began 7/01
DC	202	2023 3Q	2010 1Q	54	Reduction in code demand; pooling began 4/02
Connecticut (11/25/03)	203	2006 2Q	2005 2Q	4	Pooling began 2/01; revision reflects decreased demand for codes
Canada	204	2016 4Q	2009 4Q	28	
Alabama	205	2009 4Q	2007 3Q	9	Pooling began 8/02
Washington	206	2016 1Q	2008 1Q	32	Relief suspended; reduction in code demand; pooling began 11/02
Maine	207	2008 4Q	2008 4Q	0	Pooling began 6/00
Idaho	208	2009 4Q	2009 4Q	0	
California R	209	2012 4Q	2012 4Q	0	Pooling began 4/02
Texas	210	2025 4Q	2020 3Q	21	Reduction in code demand; pooling began 10/01
New York	212/646	2011 2Q	2009 4Q	6	Reduction in code demand; pooling began 4/01
California	213	2022 3Q	2011 3Q	44	Reduction in code demand; pooling began 9/02
Texas	214/469/972	2011 4Q	2007 4Q	16	Reduction in code demand; pooling began 5/02
Pennsylvania	215/267	2008 4Q	2005 1Q	15	Pooling began 8/02
Ohio	216	2012 2Q	2011 1Q	5	Pooling began 6/03
Illinois	217	2005 1Q	2005 1Q	0	Pooling began 3/03
Minnesota	218	2013 3Q	2013 3Q	0	Pooling began 1/03
Indiana	219	2019 2Q	2012 3Q	27	Reduction in code demand; pooling began 1/02
Illinois	224/847	2016 3Q	2016 3Q	0	Pooling began 6/98
Louisiana	225	2019 4Q	2019 4Q	0	Pooling began 4/03
Mississippi	228	2026 3Q	2019 4Q	27	Reduction in code demand; pooling began 8/03
Georgia	229	2024 2Q	2024 2Q	0	Pooling began 8/03
Michigan	231	2011 4Q	2011 4Q	0	Pooling began 5/03
Florida	239	2017 4Q	2017 4Q	0	Pooling began 2/02
Maryland	240/301	2009 1Q	2007 4Q	5	Pooling began 8/01
Michigan	248/947	2025 2Q	2025 2Q	0	Pooling began 8/02
Canada	250	2012 2Q	2009 2Q	12	

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Alabama		251	2023	4Q	2023	4Q	0	Pooling began 7/02
North Carolina		252	2010	1Q	2010	1Q	0	Pooling began 4/03
Washington		253	2014	3Q	2014	3Q	0	Relief suspended; pooling began 3/03
Texas		254	2014	1Q	2014	1Q	0	Pooling began 7/03
Alabama		256	2008	3Q	2008	3Q	0	Pooling began 8/03
Indiana		260	2019	2Q	2019	2Q	0	Pooling began 1/02
Wisconsin		262	2010	3Q	2008	3Q	8	Pooling began 9/02
Michigan		269	2020	1Q				New NPA
Kentucky (10/3/03)		270	2006	2Q	2004	4Q	6	Pooling began 11/03; revision reflects decreased demand for codes
Virginia		276	2025	2Q	2016	1Q	37	Reduction in code demand; pooling began 11/01
Texas		281/713/832	2006	4Q	2005	1Q	7	Reduction in code demand; pooling began 12/01
Delaware		302	2016	2Q	2011	3Q	19	Reduction in code demand; pooling began 5/02
Colorado		303/720	2019	2Q	2007	4Q	46	Reduction in code demand; pooling began 5/01
WestVirginia		304	2005	1Q	2005	1Q	0	Pooling began 10/02
Florida	R	305/786	2013	4Q	2008	2Q	22	
Florida		305-A	2005	3Q	2003	4Q	7	
Canada		306			2021	2Q		Not projected to exhaust prior to 2023
Wyoming		307	2021	1Q	2021	1Q	0	Pooling began 8/03
Nebraska		308	2026	2Q	2026	2Q	0	Pooling began 5/03
Illinois		309	2011	1Q	2007	3Q	14	Reduction in code demand; pooling began 7/03
California (11/25/03)	R	310	2004	3Q	2003	4Q	3	Pooling began 3/00; revision reflects decreased demand for codes
Illinois		312	2006	3Q	2005	3Q	4	Pooling began 8/99
Michigan		313	2012	4Q	2007	2Q	22	Reduction in code demand; pooling began 2/02
Missouri		314	2010	2Q	2008	1Q	9	Relief suspended; Reduction in code demand; pooling began 1/02
New York		315	2008	1Q	2006	4Q	5	Pooling began 2/01
Kansas		316	2024	4Q	2021	2Q	14	Reduction in code demand; pooling began 8/02
Indiana		317	2009	4Q	2006	4Q	12	Reduction in code demand; pooling began 12/01
Louisiana		318	2009	4Q	2009	4Q	0	Pooling began 11/02
Iowa		319	2030	3Q	2028	1Q	10	Pooling began 7/03
Minnesota		320	2018	3Q	2021	4Q	-13	Increase in code demand; pooling began 10/03
Florida		321/407	2008	4Q	2007	2Q	6	Relief suspended; pooling began 5/02
Florida		321-A	2021	3Q	2021	3Q	0	Relief suspended; pooling began 5/02
California		323	2009	2Q	2010	2Q	-4	Pooling began 8/01
Texas		325	2025	2Q				New NPA
Ohio		330/234	2019	4Q	2014	4Q	20	Reduction in code demand; pooling began 1/03
Alabama		334	2009	2Q	2009	2Q	0	Pooling began 5/03
North Carolina		336	2009	2Q	2006	2Q	12	Reduction in code demand; pooling began 2/02

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Louisiana	337	2010	3Q	2011	4Q	-5	Pooling began 10/03
Massachusetts	339/781	2014	3Q	2013	3Q	4	Pooling began 5/01
USVirginIslands	340	2104	2Q	2103	2Q	4	
New York	347/718	2014	2Q	2010	4Q	14	Reduction in code demand; pooling began 4/01
Massachusetts	351/978	2019	4Q	2013	2Q	26	Reduction in code demand; pooling began 5/01
Florida	352	2012	4Q	2012	4Q	0	Pooling began 12/02
Washington	360	2005	3Q	2005	3Q	0	Relief suspended; pooling began 2/02
Texas	361	2013	3Q	2011	2Q	9	Pooling began 9/03
Florida	386	2025	1Q	2020	4Q	17	Reduction in code demand; pooling began 7/01
Rhode Island	401	2011	2Q	2009	1Q	9	Pooling began 4/02
Nebraska (10/3/03)	402	2005	2Q	2005	1Q	1	Pooling began 7/01; revision reflects decreased demand for codes
Canada	403	2014	2Q	2010	1Q	17	
Georgia	404	2009	1Q	2006	1Q	12	Reduction in code demand; pooling began 4/02
Oklahoma	405	2011	4Q	2008	1Q	15	Reduction in code demand; pooling began 3/01
Montana	406	2008	1Q	2008	1Q	0	Pooling began 6/03
California	408	2008	1Q	2008	1Q	0	Relief suspended; pooling began 5/01
Texas	409	2023	1Q	2018	1Q	20	Pooling began 9/02
Maryland	410/443	2005	4Q	2005	4Q	0	Pooling began 9/01
Pennsylvania	412/724/878	2023	3Q	2026	3Q	-12	Increase in code demand; Pooling began 10/01
Massachusetts	413	2015	3Q	2009	3Q	24	Reduction in code demand; pooling began 8/01
Wisconsin	414	2015	3Q	2015	3Q	0	Pooling began 5/03
California	415	2008	1Q	2008	1Q	0	Relief suspended; pooling began 7/00
Canada	416/647	2016	2Q	2012	3Q	15	
Missouri	417	2009	1Q	2009	1Q	0	Pooling began 10/03
Canada	418	2011	2Q	2013	1Q	-7	
Ohio	419/567	2013	3Q	2014	3Q	-4	Pooling began /03
Tennessee	423	2011	2Q	2007	3Q	15	Reduction in code demand; pooling began 9/02
Washington	425	2014	3Q	2012	3Q	8	Relief suspended; pooling began 5/02
Texas	432	2019	3Q				New NPA; pooling began 3/02
Virginia	434	2023	2Q	2016	1Q	29	Reduction in code demand; pooling began 6/01
Utah	435	2018	3Q	2016	4Q	7	Pooling began 6/03
Ohio	440	2009	3Q	2007	2Q	9	Pooling began 4/02
Canada	450						Not projected to exhaust prior to 2023
Georgia	470/678/770	2019	3Q	2015	2Q	17	Pooling began4/02
Georgia	478	2022	2Q	2022	2Q	0	
Arkansas	479	2023	4Q	2023	4Q	0	
Arizona	480	2016	4Q	2016	4Q	0	Pooling began 3/02
Pennsylvania	484/610	2005	3Q	2005	3Q	0	Pooling began 4/01

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Arkansas		501	2015	2Q	2009	3Q	23	Pooling began 5/03
Kentucky		502	2010	4Q	2010	4Q	0	Pooling began 1/03
Oregon		503/971	2026	4Q	2015	1Q	47	Reduction in code demand; pooling began 12/01
Oregon		503A	2011	3Q	2011	3Q	0	Pooling began 12/01
Louisiana		504	2017	4Q	2013	3Q	17	Reduction in code demand; pooling began 5/02
New Mexico		505	2007	2Q	2007	2Q	0	Pooling began 4/02
Canada		506						Not projected to exhaust prior to 2023
Minnesota		507	2011	3Q	2010	1Q	6	Pooling began 5/02
Massachusetts		508/774	2009	2Q	2009	2Q	0	Pooling began 3/02
Washington		509	2008	1Q	2006	4Q	5	Pooling began 1/02
California	R	510	2008	3Q	2009	1Q	-2	Relief suspended; pooling began 6/01
Texas		512	2009	3Q	2006	3Q	12	Relief suspended; pooling began 8/00
Ohio		513	2011	2Q	2008	3Q	11	Relief suspended; pooling began 3/03
Canada		514	2007	2Q	2006	4Q	2	
Iowa		515	2021	3Q	2019	1Q	10	Pooling began 8/01
New York		516	2011	1Q	2011	1Q	0	Pooling began 7/00
Michigan		517	2007	4Q	2007	4Q	0	Pooling began 9/02
New York		518	2009	4Q	2008	4Q	4	Pooling began 9/00
Canada		519	2007	4Q	2006	3Q	5	
Arizona		520	2016	3Q	2013	2Q	13	Pooling began 10/02
California	R	530	2011	2Q	2011	2Q	0	Pooling began 9/02
Virginia		540	2009	2Q	2006	3Q	11	Reduction in code demand; pooling began 11/01
Oregon		541	2007	2Q	2005	4Q	6	Pooling began 7/01
California		559	2013	3Q	2013	3Q	0	Pooling began 8/02
Florida		561	2013	2Q	2008	1Q	21	Reduction in code demand; pooling began 2/01
California		562	2016	2Q	2015	1Q	5	Pooling began 11/01
Iowa		563	2031	4Q	2031	4Q	0	Pooling began 2/02
Pennsylvania		570	2008	3Q	2006	3Q	8	Reduction in code demand; pooling began 2/02
Virginia		571/703	2017	1Q	2015	3Q	6	Pooling began 4/02
Missouri		573	2008	3Q	2010	1Q	-6	Pooling began 4/02
Indiana		574	2020	2Q	2020	2Q	0	Pooling began 1/02
Oklahoma		580	2007	2Q	2008	4Q	-6	Pooling began 11/03
New York		585	2013	4Q	2015	3Q	-7	Increase in code demand; pooling began 8/02
Michigan		586	2019	4Q	2016	4Q	12	Pooling began 10/02
Mississippi		601	2004	3Q	2004	3Q	0	Pooling began 7/03
Arizona		602	2011	4Q	2007	4Q	16	Reduction in code demand; pooling began 2/02
New Hampshire		603	2005	2Q	2004	3Q	3	Pooling began 5/00
Canada		604			2021	1Q		Not projected to exhaust prior to 2023

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
South Dakota		605	2012	2Q	2008	3Q	15	Pooling began 8/03
Kentucky		606	2011	3Q	2012	3Q	-4	Pooling began 3/03
New York		607	2011	3Q	2015	3Q	-16	Increase in code demand; pooling began 6/01
Wisconsin		608	2012	4Q	2009	3Q	13	Pooling began 7/03
New Jersey (8/15/03)		609	2009	1Q	2006	3Q	10	Pooling began 9/02; revision reflects decreased demand for codes
Minnesota		612	2018	4Q	2012	1Q	27	Reduction in code demand; pooling began 8/02
Canada		613	2012	4Q	2013	3Q	-3	
Ohio (9/24/03)		614	2009	2Q	2005	3Q	15	Pooling began 4/03; revision reflects decreased demand for codes
Tennessee		615	2010	4Q	2007	1Q	15	Reduction in code demand; pooling began 3/02
Michigan		616	2014	3Q	2003	2Q	45	Relief implemented; pooling began 8/02
Massachusetts		617/857	2017	2Q	2016	1Q	5	Pooling began 4/02
Illinois (10/3/03)	R	618	2006	2Q	2004	4Q	6	Pooling began 7/02; revision reflects decreased demand for codes
California	R	619	2013	1Q	2013	3Q	-2	Relief suspended; pooling began 10/01
Kansas		620	2009	3Q	2008	4Q	3	Pooling began 10/03
Arizona		623	2027	3Q	2026	2Q	5	Pooling began 12/02
California	R	626	2014	1Q	2014	2Q	-1	Pooling began 5/02
Illinois (10/3/03)		630	2005	1Q	2004	4Q	1	Pooling began 8/99; revision reflects decreased demand for codes
New York		631	2007	1Q	2007	1Q	0	Pooling began 6/01
Missouri		636	2021	4Q	2017	4Q	16	Reduction in code demand; pooling began 10/02
Iowa		641	2021	4Q	2019	3Q	9	Pooling began 8/01
California	R	650	2011	2Q	2011	3Q	-1	Relief suspended; pooling began 6/01
Minnesota		651	2014	4Q	2013	3Q	5	Pooling began 9/02
Missouri		660	2024	1Q	2022	3Q	6	Pooling began 8/02
California		661	2011	1Q	2008	4Q	9	Pooling began 3/03
Mississippi		662	2005	4Q	2005	4Q	0	Pooling began 6/03
CNMI		670	2319	4Q	2317	3Q	9	
Guam		671	2295	2Q	2260	3Q	139	
Texas		682/817	2019	4Q	2014	3Q	21	Reduction in code demand; pooling began 4/02
North Dakota		701	2010	4Q	2009	3Q	5	Pooling began 6/03
Nevada		702	2013	2Q	2010	4Q	10	Pooling began 1/03
North Carolina		704/980	2030	2Q	2017	4Q	50	Reduction in code demand; pooling began 9/01
Canada		705	2022	2Q	2022	2Q	0	
Georgia		706	2006	1Q	2005	2Q	3	Pooling began 5/03
California	R	707	2009	3Q	2009	1Q	2	Relief suspended; pooling began 3/02
Illinois		708	2008	4Q	2007	4Q	4	Pooling began 4/03
Canada		709						Not projected to exhaust prior to 2023
Iowa		712	2020	4Q	2018	3Q	9	Pooling began 8/02

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
California	R	714	2006	2Q	2006	1Q	1	Relief suspended; pooling began 10/00
Wisconsin (6/23/03)		715	2006	4Q	2005	2Q	5	Pooling began 8/03; revision reflects return of previously unavailable codes
New York		716	2011	2Q	2011	2Q	0	Relief NPA code has been assigned; pooling began 4/00
Pennsylvania		717	2007	4Q	2006	4Q	4	Pooling began 3/02
Colorado		719	2018	1Q	2015	4Q	9	Pooling began 7/03
Florida		727	2017	2Q	2015	3Q	7	Pooling began 10/02
Tennessee		731	2016	1Q	2014	4Q	5	Pooling began 9/03
New Jersey		732/848	2021	3Q	2017	2Q	17	Reduction in code demand; pooling began 7/02
Michigan		734	2011	4Q	2008	1Q	15	Reduction in code demand; pooling began 5/02
Ohio (9/24/03)		740	2008	1Q	2005	3Q	10	Pooling began 12/02; revision reflects decreased demand for codes
Virginia		757	2008	1Q	2007	1Q	4	Pooling began 10/01
California		760	2005	3Q	2006	4Q	-5	Relief suspended; pooling began 8/02
Minnesota		763	2019	4Q	2019	4Q	0	Pooling began 6/03
Indiana		765	2006	4Q	2004	3Q	9	Reduction in code demand; pooling began 11/02
Florida		772	2026	4Q	2026	4Q	0	Pooling began 9/01
Illinois		773	2006	3Q	2005	4Q	3	Pooling began 10/99
Nevada		775	2016	1Q	2010	1Q	24	Reduction in code demand; pooling began 11/02
Canada		778			2021	3Q		Not projected to exhaust prior to 2023
Canada		780	2017	3Q	2013	1Q	18	
Kansas		785	2012	4Q	2008	1Q	19	Reduction in code demand; pooling began 6/03
Puerto Rico		787/939	2025	3Q	2015	1Q	42	Reduction in code demand; pooling began 6/03
Utah		801	2007	2Q	2005	3Q	7	Relief NPA code assigned; pooling began 3/01
Vermont		802	2010	2Q	2007	3Q	11	Reduction in code demand; pooling began 5/02
South Carolina		803	2009	1Q	2009	1Q	0	Pooling began 3/03
Virginia		804	2012	3Q	2009	2Q	13	Reduction in code demand; pooling began 6/01
California		805	2009	1Q	2009	1Q	0	Pooling began 2/02
Texas		806	2013	3Q	2012	3Q	4	Pooling began 7/03
Canada		807						Not projected to exhaust prior to 2023
Hawaii		808	2015	2Q	2013	3Q	7	Pooling began 12/02
Michigan		810	2018	3Q	2012	1Q	26	Reduction in code demand; pooling began 9/02
Indiana (9/24/03)		812	2007	2Q	2004	4Q	10	Pooling began 2/03; revision reflects decreased demand for codes
Florida		813	2014	4Q	2008	3Q	25	Reduction in code demand; pooling began 1/02
Pennsylvania		814	2007	3Q	2007	3Q	0	Pooling began 11/02
Illinois (10/3/03)	R	815	2005	1Q	2004	2Q	3	Pooling began 6/02; revision reflects decreased demand for codes
Missouri		816	2011	3Q	2008	1Q	14	Relief suspended; reduction in code demand; pooling began 2/02
California	R	818	2006	4Q	2007	2Q	-2	Pooling began 8/01
Canada		819			2021	2Q		Not projected to exhaust prior to 2023

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
North Carolina		828	2009	2Q	2011	3Q	-9	Increased code demand; pooling began 7/03
Texas		830	2012	1Q	2012	1Q	0	Pooling began 1/03
California		831	2022	1Q	2015	1Q	28	Reduction in code demand; pooling began 10/02
South Carolina		843	2008	3Q	2008	1Q	2	Pooling began 2/03
New York		845	2010	2Q	2014	4Q	-18	Increase in code demand
Florida		850	2008	1Q	2008	1Q	0	Pooling began 10/03
New Jersey		856	2009	3Q	2007	2Q	9	Reduction in code demand; pooling began 8/02
California		858	2018	2Q	2018	2Q	0	Pooling began 12/01
Kentucky		859	2012	2Q	2011	2Q	4	Pooling began 12/03
Connecticut (11/25/03)		860	2007	1Q	2005	2Q	7	Pooling began 10/00; revision reflects decreased demand for codes
Florida		863	2012	2Q	2015	3Q	-13	Increased code demand; pooling began 9/03
South Carolina		864	2012	3Q	2010	4Q	7	Pooling began 1/03
Tennessee		865	2020	4Q	2018	3Q	9	Pooling began 8/02
Canada		867						Not projected to exhaust prior to 2023
Arkansas		870	2006	3Q	2006	3Q	0	Pooling began 12/03
Tennessee		901	2015	2Q	2010	2Q	20	Reduction in code demand; pooling began 6/02
Canada		902	2013	4Q	2013	2Q	2	
Texas		903/430	2021	3Q	2018	4Q	11	Pooling began 5/03
Florida		904	2018	4Q	2011	2Q	30	Reduction in code demand; pooling began 4/01
Canada		905/289	2022	2Q	2018	1Q	17	
Michigan		906	2021	3Q	2019	3Q	8	Pooling began 6/03
Alaska		907	2017	2Q	2010	4Q	26	Impact of code returns
New Jersey (8/15/03)		908	2009	2Q	2006	4Q	10	Pooling began 9/02; revision reflects decreased demand for codes
California (11/25/03)	R	909	2004	2Q	2003	4Q	2	Relief suspended; pooling began 12/00; revision reflects decreased demand for codes
North Carolina		910	2009	4Q	2008	1Q	7	Pooling began 11/03
Georgia		912	2013	3Q	2014	3Q	-4	Pooling began 7/03
Kansas		913	2019	4Q	2017	2Q	10	Pooling began 12/02
New York		914	2012	3Q	2012	3Q	0	Pooling began 4/01
Texas		915	2018	4Q	2005	3Q	53	NPA relief implemented; reduction in code demand; pooling began 3/03
California		916	2011	1Q	2011	1Q	0	Pooling began 7/01
New York		917	2003	3Q	2002	4Q	3	Pooling began 8/01
Oklahoma		918	2007	2Q	2007	2Q	0	Pooling began 5/02
North Carolina		919/984	2032	2Q	2032	2Q	0	Relief suspended; pooling began 10/01
Wisconsin		920	2006	2Q	2005	1Q	5	Pooling began 4/03
California		925	2013	2Q	2013	3Q	-1	Pooling began 9/01
Arizona		928	2019	3Q	2019	3Q	0	Pooling began 2/03
Tennessee		931	2013	1Q	2012	1Q	4	Pooling began 11/03

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Texas		936	2020	4Q	2020	4Q	0	Pooling began 10/02
Ohio (10/3/03)		937	2008	1Q	2006	1Q	8	Pooling began 10/02; revision reflects decreased demand for codes
Texas		940	2017	3Q	2017	3Q	0	Pooling began 11/02
Florida		941	2018	1Q	2011	2Q	27	Reduction in code demand; pooling began 2/02
California	R	949	2017	3Q	2016	3Q	4	Pooling began 4/02
Minnesota		952	2018	2Q	2018	2Q	0	Pooling began 3/03
Florida		954/754	2019	1Q	2019	1Q	0	Pooling began 1/01
Texas		956	2013	1Q	2013	1Q	0	Pooling began 6/03
Colorado		970	2011	3Q	2011	3Q	0	Pooling began 11/03
New Jersey		973/862	2014	2Q	2014	2Q	0	Pooling began 1/02
Texas		979	2018	4Q	2014	1Q	19	Reduction in code demand; pooling began 3/03
Louisiana		985	2016	2Q	2016	2Q	0	Pooling began 10/02
Michigan		989	2009	3Q	2008	4Q	3	Pooling began 1/03

NPA exhaust forecasts sorted by location

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Alabama		205	2009	4Q	2007	3Q	9	Pooling began 8/02
Alabama		251	2023	4Q	2023	4Q	0	Pooling began 7/02
Alabama		256	2008	3Q	2008	3Q	0	Pooling began 8/03
Alabama		334	2009	2Q	2009	2Q	0	Pooling began 5/03
Alaska		907	2017	2Q	2010	4Q	26	Impact of code returns
Arizona		480	2016	4Q	2016	4Q	0	Pooling began 3/02
Arizona		520	2016	3Q	2013	2Q	13	Pooling began 10/02
Arizona		602	2011	4Q	2007	4Q	16	Reduction in code demand; pooling began 2/02
Arizona		623	2027	3Q	2026	2Q	5	Pooling began 12/02
Arizona		928	2019	3Q	2019	3Q	0	Pooling began 2/03
Arkansas		479	2023	4Q	2023	4Q	0	
Arkansas		501	2015	2Q	2009	3Q	23	Pooling began 5/03
Arkansas		870	2006	3Q	2006	3Q	0	Pooling began 12/03
California	R	209	2012	4Q	2012	4Q	0	Pooling began 4/02
California		213	2022	3Q	2011	3Q	44	Reduction in code demand; pooling began 9/02
California (11/25/03)	R	310	2004	3Q	2003	4Q	3	Pooling began 3/00; revision reflects decreased demand for codes
California		323	2009	2Q	2010	2Q	-4	Pooling began 8/01
California		408	2008	1Q	2008	1Q	0	Relief suspended; pooling began 5/01
California		415	2008	1Q	2008	1Q	0	Relief suspended; pooling began 7/00
California	R	510	2008	3Q	2009	1Q	-2	Relief suspended; pooling began 6/01
California	R	530	2011	2Q	2011	2Q	0	Pooling began 9/02
California		559	2013	3Q	2013	3Q	0	Pooling began 8/02
California		562	2016	2Q	2015	1Q	5	Pooling began 11/01
California	R	619	2013	1Q	2013	3Q	-2	Relief suspended; pooling began 10/01
California	R	626	2014	1Q	2014	2Q	-1	Pooling began 5/02
California	R	650	2011	2Q	2011	3Q	-1	Relief suspended; pooling began 6/01
California		661	2011	1Q	2008	4Q	9	Pooling began 3/03
California	R	707	2009	3Q	2009	1Q	2	Relief suspended; pooling began 3/02
California	R	714	2006	2Q	2006	1Q	1	Relief suspended; pooling began 10/00
California		760	2005	3Q	2006	4Q	-5	Relief suspended; pooling began 8/02
California		805	2009	1Q	2009	1Q	0	Pooling began 2/02
California	R	818	2006	4Q	2007	2Q	-2	Pooling began 8/01
California		831	2022	1Q	2015	1Q	28	Reduction in code demand; pooling began 10/02
California		858	2018	2Q	2018	2Q	0	Pooling began 12/01
California (11/25/03)	R	909	2004	2Q	2003	4Q	2	Relief suspended; pooling began 12/00; revision reflects decreased demand for codes
California		916	2011	1Q	2011	1Q	0	Pooling began 7/01

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
California		925	2013	2Q	2013	3Q	-1	Pooling began 9/01
California	R	949	2017	3Q	2016	3Q	4	Pooling began 4/02
Canada		416/647	2016	2Q	2012	3Q	15	
Canada		905/289	2022	2Q	2018	1Q	17	
Canada		204	2016	4Q	2009	4Q	28	
Canada		250	2012	2Q	2009	2Q	12	
Canada		306			2021	2Q		Not projected to exhaust prior to 2023
Canada		403	2014	2Q	2010	1Q	17	
Canada		418	2011	2Q	2013	1Q	-7	
Canada		450						Not projected to exhaust prior to 2023
Canada		506						Not projected to exhaust prior to 2023
Canada		514	2007	2Q	2006	4Q	2	
Canada		519	2007	4Q	2006	3Q	5	
Canada		604			2021	1Q		Not projected to exhaust prior to 2023
Canada		613	2012	4Q	2013	3Q	-3	
Canada		705	2022	2Q	2022	2Q	0	
Canada		709						Not projected to exhaust prior tp 2030
Canada		778			2021	3Q		Not projected to exhaust prior to 2023
Canada		780	2017	3Q	2013	1Q	18	
Canada		807						Not projected to exhaust prior to 2023
Canada		819			2021	2Q		Not projected to exhaust prior to 2023
Canada		867						Not projected to exhaust prior to 2023
Canada		902	2013	4Q	2013	2Q	2	
CNMI		670	2319	4Q	2317	3Q	9	
Colorado		303/720	2019	2Q	2007	4Q	46	Reduction in code demand; pooling began 5/01
Colorado		719	2018	1Q	2015	4Q	9	Pooling began 7/03
Colorado		970	2011	3Q	2011	3Q	0	Pooling began 11/03
Connecticut (11/25/03)		203	2006	2Q	2005	2Q	4	Pooling began 2/01; revision reflects decreased demand for codes
Connecticut (11/25/03)		860	2007	1Q	2005	2Q	7	Pooling began 10/00; revision reflects decreased demand for codes
DC		202	2023	3Q	2010	1Q	54	Reduction in code demand; pooling began 4/02
Delaware		302	2016	2Q	2011	3Q	19	Reduction in code demand; pooling began 5/02
Florida		305-A	2005	3Q	2003	4Q	7	
Florida		321-A	2021	3Q	2021	3Q	0	Relief suspended; pooling began 5/02
Florida	R	305/786	2013	4Q	2008	2Q	22	
Florida		321/407	2008	4Q	2007	2Q	6	Relief suspended; pooling began 5/02
Florida		954/754	2019	1Q	2019	1Q	0	Pooling began 1/01
Florida		239	2017	4Q	2017	4Q	0	Pooling began 2/02

Locality		NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Florida		352	2012	4Q	2012	4Q	0	Pooling began 12/02
Florida		386	2025	1Q	2020	4Q	17	Reduction in code demand; pooling began 7/01
Florida		561	2013	2Q	2008	1Q	21	Reduction in code demand; pooling began 2/01
Florida		727	2017	2Q	2015	3Q	7	Pooling began 10/02
Florida		772	2026	4Q	2026	4Q	0	Pooling began 9/01
Florida		813	2014	4Q	2008	3Q	25	Reduction in code demand; pooling began 1/02
Florida		850	2008	1Q	2008	1Q	0	Pooling began 10/03
Florida		863	2012	2Q	2015	3Q	-13	Increased code demand; pooling began 9/03
Florida		904	2018	4Q	2011	2Q	30	Reduction in code demand; pooling began 4/01
Florida		941	2018	1Q	2011	2Q	27	Reduction in code demand; pooling began 2/02
Georgia		470/678/770	2019	3Q	2015	2Q	17	Pooling began4/02
Georgia		229	2024	2Q	2024	2Q	0	Pooling began 8/03
Georgia		404	2009	1Q	2006	1Q	12	Reduction in code demand; pooling began 4/02
Georgia		478	2022	2Q	2022	2Q	0	
Georgia		706	2006	1Q	2005	2Q	3	Pooling began 5/03
Georgia		912	2013	3Q	2014	3Q	-4	Pooling began 7/03
Guam		671	2295	2Q	2260	3Q	139	
Hawaii		808	2015	2Q	2013	3Q	7	Pooling began 12/02
Idaho		208	2009	4Q	2009	4Q	0	
Illinois		224/847	2016	3Q	2016	3Q	0	Pooling began 6/98
Illinois		217	2005	1Q	2005	1Q	0	Pooling began 3/03
Illinois		309	2011	1Q	2007	3Q	14	Reduction in code demand; pooling began 7/03
Illinois		312	2006	3Q	2005	3Q	4	Pooling began 8/99
Illinois (10/3/03)	R	618	2006	2Q	2004	4Q	6	Pooling began 7/02; revision reflects decreased demand for codes
Illinois (10/3/03)		630	2005	1Q	2004	4Q	1	Pooling began 8/99; revision reflects decreased demand for codes
Illinois		708	2008	4Q	2007	4Q	4	Pooling began 4/03
Illinois		773	2006	3Q	2005	4Q	3	Pooling began 10/99
Illinois (10/3/03)	R	815	2005	1Q	2004	2Q	3	Pooling began 6/02; revision reflects decreased demand for codes
Indiana		219	2019	2Q	2012	3Q	27	Reduction in code demand; pooling began 1/02
Indiana		260	2019	2Q	2019	2Q	0	Pooling began 1/02
Indiana		317	2009	4Q	2006	4Q	12	Reduction in code demand; pooling began 12/01
Indiana		574	2020	2Q	2020	2Q	0	Pooling began 1/02
Indiana		765	2006	4Q	2004	3Q	9	Reduction in code demand; pooling began 11/02
Indiana (9/24/03)		812	2007	2Q	2004	4Q	10	Pooling began 2/03; revision reflects decreased demand for codes
Iowa		319	2030	3Q	2028	1Q	10	Pooling began 7/03
Iowa		515	2021	3Q	2019	1Q	10	Pooling began 8/01
Iowa		563	2031	4Q	2031	4Q	0	Pooling began 2/02

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Iowa	641	2021	4Q	2019	3Q	9	Pooling began 8/01
Iowa	712	2020	4Q	2018	3Q	9	Pooling began 8/02
Kansas	316	2024	4Q	2021	2Q	14	Reduction in code demand; pooling began 8/02
Kansas	620	2009	3Q	2008	4Q	3	Pooling began 10/03
Kansas	785	2012	4Q	2008	1Q	19	Reduction in code demand; pooling began 6/03
Kansas	913	2019	4Q	2017	2Q	10	Pooling began 12/02
Kentucky (10/3/03)	270	2006	2Q	2004	4Q	6	Pooling began 11/03; revision reflects decreased demand for codes
Kentucky	502	2010	4Q	2010	4Q	0	Pooling began 1/03
Kentucky	606	2011	Q	2012	3Q	-4	Pooling began 3/03
Kentucky	859	2012	2Q	2011	2Q	4	Pooling began 12/03
Louisiana	225	2019	4Q	2019	4Q	0	Pooling began 4/03
Louisiana	318	2009	4Q	2009	4Q	0	Pooling began 11/02
Louisiana	337	2010	3Q	2011	4Q	-5	Pooling began 10/03
Louisiana	504	2017	4Q	2013	3Q	17	Reduction in code demand; pooling began 5/02
Louisiana	985	2016	2Q	2016	2Q	0	Pooling began 10/02
Maine	207	2008	4Q	2008	4Q	0	Pooling began 6/00
Maryland	240/301	2009	1Q	2007	4Q	5	Pooling began 8/01
Maryland	410/443	2005	4Q	2005	Q	0	Pooling began 9/01
Massachusetts	351/978	2019	4Q	2013	2Q	26	Reduction in code demand; pooling began 5/01
Massachusetts	339/781	2014	3Q	2013	3Q	4	Pooling began 5/01
Massachusetts	508/774	2009	2Q	2009	2Q	0	Pooling began 3/02
Massachusetts	617/857	2017	2Q	2016	1Q	5	Pooling began 4/02
Massachusetts	413	2015	3Q	2009	3Q	24	Reduction in code demand; pooling began 8/01
Michigan	248/947	2025	2Q	2025	2Q	0	Pooling began 8/02
Michigan	231	2011	4Q	2011	4Q	0	Pooling began 5/03
Michigan	269	2020	1Q				New NPA
Michigan	313	2012	4Q	2007	2Q	22	Reduction in code demand; pooling began 2/02
Michigan	517	2007	4Q	2007	4Q	0	Pooling began 9/02
Michigan	586	2019	4Q	2016	4Q	12	Pooling began 10/02
Michigan	616	2014	3Q	2003	2Q	45	Relief implemented; pooling began 8/02
Michigan	734	2011	4Q	2008	1Q	15	Reduction in code demand; pooling began 5/02
Michigan	810	2018	3Q	2012	1Q	26	Reduction in code demand; pooling began 9/02
Michigan	906	2021	3Q	2019	3Q	8	Pooling began 6/03
Michigan	989	2009	3Q	2008	4Q	3	Pooling began 1/03
Minnesota	218	2013	3Q	2013	3Q	0	Pooling began 1/03
Minnesota	320	2018	3Q	2021	4Q	-13	Increase in code demand; pooling began 10/03
Minnesota	507	2011	3Q	2010	1Q	6	Pooling began 5/02
Minnesota	612	2018	4Q	2012	1Q	27	Reduction in code demand; pooling began 8/02

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Minnesota	651	2014	4Q	2013	3Q	5	Pooling began 9/02
Minnesota	763	2019	4Q	2019	4Q	0	Pooling began 6/03
Minnesota	952	2018	2Q	2018	2Q	0	Pooling began 3/03
Mississippi	228	2026	3Q	2019	4Q	27	Reduction in code demand; pooling began 8/03
Mississippi	601	2004	3Q	2004	3Q	0	Pooling began 7/03
Mississippi	662	2005	4Q	2005	4Q	0	Pooling began 6/03
Missouri	314	2010	2Q	2008	1Q	9	Relief suspended; Reduction in code demand; pooling began 1/02
Missouri	417	2009	1Q	2009	1Q	0	Pooling began 10/03
Missouri	573	2008	3Q	2010	1Q	-6	Pooling began 4/02
Missouri	636	2021	4Q	2017	4Q	16	Reduction in code demand; pooling began 10/02
Missouri	660	2024	1Q	2022	3Q	6	Pooling began 8/02
Missouri	816	2011	3Q	2008	1Q	14	Relief suspended; reduction in code demand; pooling began 2/02
Montana	406	2008	1Q	2008	1Q	0	Pooling began 6/03
Nebraska	308	2026	2Q	2026	2Q	0	Pooling began 5/03
Nebraska (10/3/03)	402	2005	2Q	2005	1Q	1	Pooling began 7/01; revision reflects decreased demand for codes
Nevada	702	2013	2Q	2010	4Q	10	Pooling began 1/03
Nevada	775	2016	1Q	2010	1Q	24	Reduction in code demand; pooling began 11/02
New Hampshire	603	2005	2Q	2004	3Q	3	Pooling began 5/00
New Jersey	201/551	2026	1Q	2018	4Q	29	Relief implemented 12/01; reduction in code demand; pooling began 7/01
New Jersey (8/15/03)	609	2009	1Q	2006	3Q	5	Pooling began 9/02; revision reflects decreased demand for codes
New Jersey	732/848	2021	3Q	2017	2Q	17	Reduction in code demand; pooling began 7/02
New Jersey	856	2009	3Q	2007	2Q	9	Reduction in code demand; pooling began 8/02
New Jersey (8/15/03)	908	2009	2Q	2006	4Q	10	Pooling began 9/02; revision reflects decreased demand for codes
New Jersey	973/862	2014	2Q	2014	2Q	0	Pooling began 1/02
New Mexico	505	2007	2Q	2007	2Q	0	Pooling began 4/02
New York	212/646	2011	2Q	2009	4Q	6	Reduction in code demand; pooling began 4/01
New York	347/718	2014	2Q	2010	4Q	14	Reduction in code demand; pooling began 4/01
New York	315	2008	1Q	2006	4Q	5	Pooling began 2/01
New York	516	2011	1Q	2011	1Q	0	Pooling began 7/00
New York	518	2009	4Q	2008	4Q	4	Pooling began 9/00
New York	585	2013	4Q	2015	3Q	-7	Increase in code demand; pooling began 8/02
New York	607	2011	3Q	2015	3Q	-16	Increase in code demand; pooling began 6/01
New York	631	2007	1Q	2007	1Q	0	Pooling began 6/01
New York	716	2011	2Q	2011	2Q	0	Relief NPA code has been assigned; pooling began 4/00
New York	845	2010	2Q	2014	4Q	-18	Increase in code demand
New York	914	2012	3Q	2012	3Q	0	Pooling began 4/01

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
New York	917	2003	3Q	2002	4Q	3	Pooling began 8/01
North Carolina	704/980	2030	2Q	2017	4Q	50	Reduction in code demand; pooling began 9/01
North Carolina	919/984	2032	2Q	2032	2Q	0	Relief suspended; pooling began 10/01
North Carolina	252	2010	1Q	2010	1Q	0	Pooling began 4/03
North Carolina	336	2009	2Q	2006	2Q	12	Reduction in code demand; pooling began 2/02
North Carolina	828	2009	2Q	2011	3Q	-9	Increased code demand; pooling began 7/03
North Carolina	910	2009	4Q	2008	1Q	7	Pooling began 11/03
North Dakota	701	2010	4Q	2009	3Q	5	Pooling began 6/03
Ohio	216	2012	2Q	2011	1Q	5	Pooling began 6/03
Ohio	330/234	2019	4Q	2014	4Q	20	Reduction in code demand; pooling began 1/03
Ohio	419/567	2013	3Q	2014	3Q	-4	Pooling began /03
Ohio	440	2009	3Q	2007	2Q	9	Pooling began 4/02
Ohio	513	2011	2Q	2008	3Q	11	Relief suspended; pooling began 3/03
Ohio (9/24/03)	614	2009	2Q	2005	3Q	15	Pooling began 4/03; revision reflects decreased demand for codes
Ohio (9/24/03)	740	2008	1Q	2005	3Q	10	Pooling began 12/02; revision reflects decreased demand for codes
Ohio (10/3/03)	937	2008	1Q	2006	1Q	8	Pooling began 10/02; revision reflects decreased demand for codes
Oklahoma	405	2011	4Q	2008	1Q	15	Reduction in code demand; pooling began 3/01
Oklahoma	580	2007	2Q	2008	4Q	-6	Pooling began 11/03
Oklahoma	918	2007	2Q	2007	2Q	0	Pooling began 5/02
Oregon	503/971	2026	4Q	2015	1Q	47	Reduction in code demand; pooling began 12/01
Oregon	503A	2011	3Q	2011	3Q	0	Pooling began 12/01
Oregon	541	2007	2Q	2005	4Q	6	Pooling began 7/01
Pennsylvania	412/724/878	2023	3Q	2026	3Q	-12	Increase in code demand; Pooling began 10/01
Pennsylvania	484/610	2005	3Q	2005	3Q	0	Pooling began 4/01
Pennsylvania	215/267	2008	4Q	2005	1Q	15	Pooling began 8/02
Pennsylvania	570	2008	3Q	2006	3Q	8	Reduction in code demand; pooling began 2/02
Pennsylvania	717	2007	4Q	2006	4Q	4	Pooling began 3/02
Pennsylvania	814	2007	3Q	2007	3Q	0	Pooling began 11/02
Puerto Rico	787/939	2025	3Q	2015	1Q	42	Reduction in code demand; pooling began 6/03
Rhode Island	401	2011	2Q	2009	1Q	9	Pooling began 4/02
South Carolina	803	2009	1Q	2009	1Q	0	Pooling began 3/03
South Carolina	843	2008	3Q	2008	1Q	2	Pooling began 2/03
South Carolina	864	2012	3Q	2010	4Q	7	Pooling began 1/03
South Dakota	605	2012	2Q	2008	3Q	15	Pooling began 8/03
Tennessee	423	2011	2Q	2007	3Q	15	Reduction in code demand; pooling began 9/02
Tennessee	615	2010	4Q	2007	1Q	15	Reduction in code demand; pooling began 3/02
Tennessee	731	2016	1Q	2014	4Q	5	Pooling began 9/03

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Tennessee	865	2020	4Q	2018	3Q	9	Pooling began 8/02
Tennessee	901	2015	2Q	2010	2Q	20	Reduction in code demand; pooling began 6/02
Tennessee	931	2013	1Q	2012	1Q	4	Pooling began 11/03
Texas	214/469/972	2011	4Q	2007	4Q	16	Reduction in code demand; pooling began 5/02
Texas	281/713/832	2006	4Q	2005	1Q	7	Reduction in code demand; pooling began 12/01
Texas	682/817	2019	4Q	2014	3Q	21	Reduction in code demand; pooling began 4/02
Texas	903/430	2021	3Q	2018	4Q	11	Pooling began 5/03
Texas	210	2025	4Q	2020	3Q	21	Reduction in code demand; pooling began 10/01
Texas	254	2014	1Q	2014	1Q	0	Pooling began 7/03
Texas	325	2025	2Q				New NPA
Texas	361	2013	3Q	2011	2Q	9	Pooling began 9/03
Texas	409	2023	1Q	2018	1Q	20	Pooling began 9/02
Texas	432	2019	3Q				New NPA; pooling began 3/02
Texas	512	2009	3Q	2006	3Q	12	Relief suspended; pooling began 8/00
Texas	806	2013	3Q	2012	3Q	4	Pooling began 7/03
Texas	830	2012	1Q	2012	1Q	0	Pooling began 1/03
Texas	915	2018	4Q	2005	3Q	53	NPA relief implemented; reduction in code demand; pooling began 3/03
Texas	936	2020	4Q	2020	4Q	0	Pooling began 10/02
Texas	940	2017	3Q	2017	3Q	0	Pooling began 11/02
Texas	956	2013	1Q	2013	1Q	0	Pooling began 6/03
Texas	979	2018	4Q	2014	1Q	19	Reduction in code demand; pooling began 3/03
US Virgin Islands	340	2104	2Q	2103	2Q	4	
Utah	435	2018	3Q	2016	4Q	7	Pooling began 6/03
Utah	801	2007	2Q	2005	3Q	7	Relief NPA code assigned; pooling began 3/01
Vermont	802	2010	2Q	2007	3Q	11	Reduction in code demand; pooling began 5/02
Virginia	571/703	2017	1Q	2015	3Q	6	Pooling began 4/02
Virginia	276	2025	2Q	2016	1Q	37	Reduction in code demand; pooling began 11/01
Virginia	434	2023	2Q	2016	1Q	29	Reduction in code demand; pooling began 6/01
Virginia	540	2009	2Q	2006	3Q	11	Reduction in code demand; pooling began 11/01
Virginia	757	2008	1Q	2007	1Q	4	Pooling began 10/01
Virginia	804	2012	3Q	2009	2Q	13	Reduction in code demand; pooling began 6/01
Washington	206	2016	1Q	2008	1Q	32	Relief suspended; reduction in code demand; pooling began 11/02
Washington	253	2014	3Q	2014	3Q	0	Relief suspended; pooling began 3/03
Washington	360	2005	3Q	2005	3Q	0	Relief suspended; pooling began 2/02
Washington	425	2014	3Q	2012	3Q	8	Relief suspended; pooling began 5/02
Washington	509	2008	1Q	2006	4Q	5	Pooling began 1/02
West Virginia	304	2005	1Q	2005	1Q	0	Pooling began 10/02

Locality	NPA	Current Forecast		Previous Forecast		Change (quarters)	Notes
Wisconsin	262	2010	3Q	2008	3Q	8	Pooling began 9/02
Wisconsin	414	2015	3Q	2015	3Q	0	Pooling began 5/03
Wisconsin	608	2012	4Q	2009	3Q	13	Pooling began 7/03
Wisconsin (6/23/03)	715	2006	4Q	2005	2Q	5	Pooling began 8/03; revision reflects return of previously unavailable codes
Wisconsin	920	2006	2Q	2005	1Q	5	Pooling began 4/03
Wyoming	307	2021	1Q	2021	1Q	0	Pooling began 8/03

Attachment 7—2003 NANP exhaust projection

Introduction

Each year, NANPA projects the exhaust of the NANP based upon the utilization and forecast data submitted by carriers via the NRUF process. These assumptions are based upon the assumptions used in the 2002 study, with the primary change being the elimination of the assumptions associated with the rollout of wireless pooling.

2003 NANP exhaust projection assumptions

The following is a list of assumptions used in the development of the 2003 NANP exhaust projection prepared by NANPA.

1. The NANP exhaust study uses as its basis the CO code demand, which includes carrier 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, a "non-rationed" demand was developed. This demand is applied in the rationed NPA beginning 4/1/03. Although the NPA may be in rationing for several months beyond 4/1/03, by applying the "non-rationed" demand on 4/1/03, any pent-up demand that typically occurs once an NPA comes out of rationing is accounted for in the projection.
3. A new NPA code will be required when the number of assigned and unavailable CO codes reaches 800 NXXs.
4. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA has. It appears that most of the unassignable codes in the existing NPA are duplicated in the new NPA. There are also times 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 of NXX codes.
6. The CO code demand for an exhausting NPA will be continued after relief. By doing so, the demand for both the existing and new NPA codes will be taken into account for the geographic area covered by the original NPA.
7. The total quantity of available NPA codes will be 685 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 (13)1 and non-geographic NPAs (12)2.
8. To account for the variability of demand, a sensitivity analysis will be 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.

Study methodology

With the impact of wireline and wireless pooling on NXX demand reflected in the individual NPA exhaust projections, the assumptions used in last year's study concerning CMRS code demand were eliminated.

Sensitivity analysis was preformed on various assumptions to determine their impact on the results.

Results based upon assumptions

As was recognized in previous NANP exhaust analysis, the model is sensitive to the yearly CO code demand rate. Using the monthly CO code demand for each NPA as calculated in the June 2003 NPA Exhaust Analysis, and straight-lining this demand outside the five-year time frame included in NRUF submissions, creates an average yearly demand rate of nearly 8,700 CO codes/year. This yearly demand rate was compared with demand rates in 2000, 2001 and 2002.

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2000	16,000	12,500
2001	10,400	4,400
2002	7,200	3,600
2003 (annualized)	3,800	1,900

In order to provide a NANP exhaust analysis more reflective of the current industry trend in terms of yearly CO code demand, NANPA selected a base case of 7,000 average annual CO code demand. This represents a 20% reduction in the annual demand created using the June 2003 NPA Exhaust Analysis. Although this number is higher than the projected 2003 gross CO code demand rate, it remains to be seen whether the CO code demand rates will continue at current levels or will eventually rebound to higher levels over the remaining 30 years of the projected NANP life. Further, similar to previous studies, it is expected that over time, the quantity of returned codes will continue begin to decrease as the industry adjusts to the optimization measures put in place with the FCC's NRO Order and the local exchange market begins

to stabilize. Further, with the current attention being placed and actions being taken to conserve numbers, maximize number utilization and delay NPA relief, it is envisioned that annual net demand will become more in line with gross demand as carriers only obtain resources when truly needed.

Model Based on Projected Demand

Using an average CO code demand rate of 7,000 codes assigned per year, the projected NANP exhaust date is 2035, assuming the quantity of NPAs available is 685.

Sensitivity Analysis

Sensitivity analysis was conducted to understand the impact of average annual CO code demand on the results.

For comparison purposes, NANPA performed a sensitivity analysis using 8,700 annual CO code demand, which represented the gross demand as calculated from the June 2003 NPA Exhaust Analysis. In addition, NANPA further reduced demand to 4,400 codes per year, which represented a further reduction in demand. The table below summarizes the results.

Table 2: Sensitivity Analysis with Various Yearly CO Demand

Increased Demand (8,700 codes/yr.)	Base Demand (7,000 codes/yr.)	Reduced Demand (4,400 codes/yr.)
2029	2035	2040

1 NPAs 855, 844, 833, 822, 880, 881, 882, 883, 884, 885, 886, 887 and 889
2 These include the 6 codes reserved for future PCS expansion (522, 533, 544, 566, 577, 588) and 6 of the codes reserved for Canada (622, 633, 644, 655, 677, 688).

Attachment 8—Where to find numbering information

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

www.nanpa.com

nanpa.com is the official NANPA web site. Its contents include:

- Assignment listings for NANP numbering resources, including area codes, carrier identification codes, N11 codes, and vertical service codes.
- Relief planning information for the U.S. and its territories, including a status chart, planning letters, and press releases.
- Central office code assignment information for the U.S. and its territories.
- Contact information for numbering resources.
- Jeopardy procedures.
- Information for NRUF submissions.
- U.S. area code maps.

www.cnac.ca

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

www.fcc.gov

Sections of the FCC's web site of particular interest are:

- www.fcc.gov/wcb - the home page of the Wireline Competition Bureau. Orders related to numbering topics, including the NRO orders, can be found here.
- http://www.fcc.gov/wcb/tapd/Nanc/ - 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.

www.crtc.gc.ca

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

www.nanc-chair.org

The home page for the Chair of the NANC. This site contains presentations and reports provided to the NANC on issues currently being addressed by the council.

www.atis.org

This is the Alliance for Telecommunications Industry Solutions' site. It has several sections of interest for numbering.

www.atis.org/atis/clc/inc/inchom.htm is the home page of the Industry Numbering Committee (INC). It lists the various subgroups active within the INC, and provides access to their meeting records and contributions. Links are provided to:

- INC documents, including all of the assignment guidelines for numbering resources, and
- INC working documents, including documentation on, for example, what alternatives the industry is considering when the supply of 10-digit telephone numbers is depleted.

www.itu.int

This is the home page of the International Telecommunications Union in Geneva, 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 (http://www.itu.int/ITU-T/inr/codes.html). Also of interest is an extensive section on various national numbering plans (http://www.itu.int/ITU-T/inr/nnp/).

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' web sites can be found at this site.

www.neca.org

This is the home page of the National Exchange Carriers Association. NECA serves as the North American Billing and Collection, Inc. (NBANC), the billing and collection agent of the North American Numbering Plan (NANP) Administrator.

www.nationalpooling.com

This is the site for the national pooling administrator.

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 number.

Attachment 9—NANP country contacts

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Anguilla	Hon. Kenneth Harrigan Minister of Infrastructure, Communications and Utilities Post Office Box 60 Coronation Avenue The Valley Anguilla West Indies Phone 264-497-2442 Fax 264-497-3651	Kenn Banks Permanent Secretary MICU Coronation Avenue PO Box 60 The Valley, Anguilla British West Indies Phone 264-497-2442 Fax 264-497-3651 banksmicu@anguillanet.com	
Antigua and Barbuda	Asot Michael Telecommunications Minister Ministry of Public Works and Communications St. John's Street St. John's Antigua West Indies Phone 268-462-3022 Fax 264-497-3651		
Bahamas	Sen. the Hon. James Smith Minister of State Ministry of Finance Cecil Wallace-Whitfield Center P O Box N-3017 Nassau Bahamas Phone 242-327-1530 Fax 242-327-1618 mofgeneral@bahamas.gov.bs	Mr. E. George Moss Executive Director Public Utilities Commission Fourth Terrace, East, Collins Ave. P.O. Box N-4860 Nassau Bahamas Phone 242-322-4437 Fax 242-323-7288 EGMoss@PUCBahamas.gov.bs	Leonard S. Adderley Senior Telecommunications Engineer Public Utilities Commission Fourth Terrace, East, Collins Ave. P. O. Box N-4860 Nassau Bahamas Phone: 242-322-4437 Fax 242-323-7288 ladderley@PUCBahamas.gov.bs
Barbados	Chelsea R. Denny Senior Telecommunications Officer Ministry of Industry and International Business The Business Centre Upton, St. Michael Barbados West Indies Phone 246-430-2200 Fax 246-426-0960		
Bermuda	Gregory Swan Director of Telecommunications P.O. Box HM101, HMAX Hamilton Bermuda Phone 441-295-4595 Fax 441-295-1462 bswan@ bdagov.bm	Hiram Edwards Assistant Telecommunications Inspector P.O. Box HM101, HMAX Hamilton Bermuda hedwards@bdagov.bm	
British Virgin Islands	Mr. Elvin Stoutt Permanent Secretary Ministry of Communications and Works #33 Admin Drive, Central Administration Complex Roadtown Tortola British Virgin Islands Phone 284-494-3701 x2183		
Canada	Diane Rhéaume Secretary General Canadian Radio-Television and Telecommunications Commission One Promenade du Portage Ottawa, Ontario Canada K1A 0N2 Phone 819-953-3991 Fax 819-953-0589	Brenda M. Stevens Manager Policy, Numbering & Consumer Affairs CRTC Telecom Branch One Promenade du Portage, Hull, Quebec Canada K1A 0N2 Phone 819-953-8882 Fax 819-953-0795 brenda.stevens@crtc.gc.ca	Glenn Pilley Director Canadian Numbering Administrator SAIC Canada 1516-60 Queen Street Ottawa, Ontario Canada K1P 5Y7 Phone 613-563-7242 Fax 613-563- 9293 pilleyg@saiccanada.com

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Cayman Islands	Hon. Linford Pierson Ministry of Planning, Communications, Works and Information Technology Government Administration Building, 4th Floor Grand Cayman Cayman Islands Phone 345-244-2410 Fax 345-949-2922	Philip Brazeau Head of Licensing and Compliance General Counsel ICT Authority 85 North Sound Way Alissta Towers P.O. Box 2502 GT Grand Cayman Cayman Islands Tel 345-946-4282 Fax 345-945-8284 philip.brazeau@icta.ky	
Dominica	Hon. Reginald V. Austrie Minister for Communications and Works Government Headquarters Roseau, Commonwealth of Dominica Phone 767-448-2401 x3204 Fax 767-448-4807	Mr. Sylvester Cadette Telecommunications Director National Telecommunications Regulatory Commission 7 King George V Street (Upstairs) Roseau, Commonweath of Dominica Phone 767-440-0627 Fax 767-440-0835	Donnie DeFreitas National Telecommunications Regulatory Commission Secretariat PO Box BM690 Castries St. Lucia West Indies ddefreitas@hotmail.com
Dominican Republic	Orlando Jorge Meras Ministro de Republica Dominicana Instituto Dominicano De Telecommunicaciones Santo Domingo Dominican Republic Phone 809-473-8580 Fax 809-732-3904 ojorge@indotel.org.do	Fabricio Gómez Mazara Manager Concessions and Licenses Department Phone 809-473-8520 fgomez@indotel.org.do	Elving Santana Engineer Concessions and Licenses Department Phone 809-473-8504 esantana@indotel.org.do
Grenada	Hon. Gregory Bowen Minister of Works, Communications and Public Utilities National Telecommunications Regulatory Commission PO Box 854 St. George's Grenada	Robert O. Finlay Director of Telecommunications National Telecommunications Regulatory Commission PO Box 854 St. George's Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com	Eugene Gittens Numbering Administrator National Telecommunications Regulatory Commission PO Box 854 St. George's Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com
Jamaica	Phillip Paulwell MP Ministry of Industry, Commerce & Technology 36 Trafalgar Road Kingston 10 Jamaica Phone 876-960-0312 Fax 876-929-8103 ppaulwell@mct.gov.jm	Rowland Phillips Director of Technology Ministry of Industry, Commerce & Technology 36 Trafalgar Road Kingston 10 Jamaica Phone 876-929-8990-9 Fax 876-754-5522 rphillips@mct.gov.jm	Courtney Jackson Deputy Director General Office of Utilities Regulations 36 Trafalgar Road Kingston 10 Jamaica Phone 876-968-6111 Fax 876-929-3645 cjackson@our.org.jm
Montserrat	Eugene Skerrit Permanent Secretary Department of Communications and Works for the Government of Montserrat Olde Towne Montserrat West Indies Phone 664-491-2521 Fax 664-491-3475		
St. Kitts and Nevis	Rupert Herbert Telecommunications Minister Saint Kitts and Nevis Phone 869-465-2521 x1018 Fax 869-465-0604		
St. Lucia	Senator Calixte George Ministry of Communications, Works, Transport and Public Utilities Union St. Lucia West Indies Phone 758-468-4300 Fax 758-453-2769	Truscott Augustin Chief Public Utilities Officer Ministry of Communications, Works, Transport and Public Utilities Union St. Lucia West Indies Phone 758-468-4300 Fax 758-453-2769	Donnie DeFreitas National Telecommunications Regulatory Commission Secretariat PO Box BM690 Castries St. Lucia West Indies ddefreitas@hotmail.com

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
St. Vincent and the Grenadines	Apollo Knights Director of Telecommunications National Telecommunications Regulatory Commission Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 telecomsvg@caribsurf.com	Apollo Knights Director of Telecommunications National Telecommunications Regulatory Commission Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 telecomsvg@caribsurf.com	Apollo Knights Director of Telecommunications National Telecommunications Regulatory Commission Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 telecomsvg@caribsurf.com
Trinidad and Tobago	Mala Guinness Deputy Director Telecommunications Ministry of Science & Technology Corner of Agra and Patna Streets St. James, Trinidad, West Indies Phone 868-622-8389 Fax 868-628-3484		
Turks and Caicos Islands	Hon. Oswald O. Skippings Minister of Communications and Transportation Government Square Grand Turks Turks and Caicos Islands British West Indies		
United States	William Maher Chief Wireline Competition Bureau Federal Communications Commission 445 12th St., SW Washington, DC 20554 Phone 202-418-1500 Fax 202-418-2825	Diane L. Griffin Assistant Bureau Chief Wireline Competition Bureau Federal Communications Commission 445 12th St., SW Washington, DC 20554 Phone 202-418-1500 Fax 202-418-2345	Sandy Tokarek Regional Director–Code Administration NeuStar, Inc. 1800 Sutter Street Suite 570 Concord, CA 94520 Phone 925-363-8701 Fax 925-363-8756 sandy.tokarek@neustar.biz

Prepared and submitted by: