

2009

NANPA

Annual Report

neustar™



To stakeholders of the North American Numbering Plan Administration

It is with great pleasure that NeuStar, Inc. (“Neustar”) presents the 2009 North American Numbering Plan Administration (NANPA) Annual Report. This annual report covers NANPA activities from January 1, 2009 through December 31, 2009.

The NANPA annual report focuses on the administration of the various numbering resources of the North American Numbering Plan (NANP). As with previous annual reports, it provides a picture of the state of the NANP at the end of 2009. It also provides a useful and interesting description of the numerous activities undertaken by NANPA during the year. The data included in this report comes from the NANPA website where you can locate the latest numbering information.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey Ganek". The signature is fluid and cursive, with a large initial "J" and "G".

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

The NANP is an integrated numbering plan serving 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 sixty 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 Inc. (“Neustar”). In July 2003 the FCC selected Neustar through a competitive bid to serve as NANPA for another five year term. Neustar presently serves as the NANPA under a new contract with the FCC that continues through January 2011.

Regulatory authorities in various NANP countries have named national administrators to oversee the numbering resources assigned by NANPA for use within their countries. Neustar is the national administrator for the United States (U.S.) and its territories. 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 those regulatory authorities and national administrators to ensure that numbering resources are used in the best interests of all participants in the NANP.

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

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

### NANPA funding

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

Costs associated with the administration of shared numbering resources are allocated to participating countries based on population and then further adjusted based on NANPA services used by each country. Participants pay only their share of the costs of the NANPA services they require. Regulatory authorities in each participating country determine how to recover these costs. In the U.S., which pays most of the cost, NANPA is funded by the telecommunications industry under an arrangement specified in FCC rules.

### NANPA Neutrality

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

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

## NANP ADMINISTRATION SYSTEM

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

At the end of 2009, there were nearly 1,500 NAS registered users. Over 1,300 users were service providers or their consultants. Nearly eighty of the users represented federal and state regulatory users. Along with the NAS registered users, there were 2,800 mailing list participants. Mailing list participants receive NANP notifications but do not have access to the system.

During 2008, nearly all hardware deployed in NAS was updated with the latest available technology. As a result, NANPA, working in cooperation with the FCC, only needed to secure NAS hardware and software maintenance agreements set to expire during the second half of 2009.

Nine NAS trouble tickets were opened and closed in 2009. Four of these tickets involved issues associated with either the submission of NRUF data or viewing NRUF information in NAS. One issue concerned the proper distribution of an administrator's response to a NAS user and a separate issue addressed the capability to view submitted applications. For the remaining three tickets, it was determined the user's own corporate network was the source of the problem or additional user education was required.

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

### NAS Central Office Code Administration

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

NAS auto-populates specific fields within applications with information contained in the user's profile and provides drop-down menus for certain data required on the different forms such as Operating Company Numbers (OCNs), NPA's and rate

center information. System checks ensure that all required fields are populated and that the information supplied is valid prior to submission. Supporting documentation associated with an application is provided to NANPA via fax or email. Such documentation includes evidence of certification and network readiness for initial code applications, evidence of safety valve waiver approvals and documentation necessary for expedited code activations, modifications and disconnects.

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

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

In 2009, NAS was modified per Change Order 17 (Delinquent Part 4 Notification) and introduced a new "Part 4 Delinquent" notice. A Part 4 Delinquent notice is now sent to the service provider when a Part 4 can no longer be accepted by NANPA. NAS sends an email to all the recipients of the Part 4 reminder notice, informing the service provider that it must now submit its Part 4 to the appropriate regulatory authority.

### Applying On-line for Other Numbering Resources

NAS allows on-line application not only for central office codes, but also for other NANP resources such as Carrier Identification Codes (CICs), 5YY-NXX codes, 9YY-NXX codes, 456-NXX codes, NPA's, 800-855 line numbers and 555 line numbers. In addition, NAS provides real-time reports on the assignment status of these numbering resources. These reports are accessible through the 'Reports' section of the NANPA website.

In 2009, NAS was modified to require the entry of a 3-character alpha identifier in the ACNA field on the CIC Part C form. If the 3-character alpha identifier is not provided in the ACNA field on the CIC Part C form, a validation error occurs.

## NANP Notification System

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

Geographic notifications available to the public include:

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

Non-geographic notifications available to the public include:

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

NAS users may select any or all of the notification choices available. Notifications concerning NPA relief planning activity remain limited to only the service provider industry and appropriate regulatory agencies.

In 2009, two new enhancements were made to the notification capabilities in NAS. First, the capability for a NAS user to select a time frame (start and end date) when searching NNS notices was implemented, allowing the user to indicate a particular time frame in their search for a specific NANPA notice. Second, the capability that permits NANPA to include an attachment to the NNS notice was implemented.

NANPA distributed 155 notifications in 2009. The following information illustrates the number of notifications distributed by notification category. All notifications are saved in NAS.

Notification Category	Number of Notifications
NPA Relief Planning	95
Non-Geographic	18
Planning Letters	15
INC Guidelines	10
Code Administration	6
Newsletters	5
NRUF	3
Jeopardy	3
Other Geographic	0
<b>Total</b>	<b>155</b>

## NAS NRUF

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

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

In 2009, NANPA modified NAS to produce an error message if a service provider submitted an NRUF using an FCC Registration Number (FRN) greater than 10 digits. This error message applies to all submission methods (email, FTP, etc.). Secondly, NANPA applied appropriate modifications to NAS to permit acceptance of the NRUF Form 502 Excel™ spreadsheet in both Excel™ 97-2003 and Excel™ 2007.

## NAS Reports

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

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

## NAS User Registration

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

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

All registration requests are reviewed and validated prior to approval. Once NANPA approves the registration request, the user is issued a password. Once registered in NAS, the user is able to update and modify their profile.

In 2009, new security features related to the NAS registration capabilities were introduced. These enhancements included the following:

- The user is required to log into NAS within 14 calendar days of the date the profile is approved. At that time, the user is required to reset the password at the login screen. If the user fails to activate the profile by not logging into the system within 14 days, the profile will be disabled.
- If an existing NAS user fails to reset the password within the 180-day time frame, the user must contact NANPA to re-enable the profile and be issued a new password. The user must then log into NAS within 14 calendar days of the date the profile was enabled. When the user logs into NAS, the user will be required to reset the password.
- If an existing NAS user fails to reset the password, the NAS profile will be suspended. NAS will continue to send NNS notices to the user, but no other NAS-generated work item-related emails will be sent to the user. Nor will the user have access to NAS. The user will receive weekly reminders to contact NANPA to reset the NAS password. If the user fails to contact NANPA within 90 days of the date the NAS account is suspended, the profile will automatically be disabled and the user will cease to receive NNS notices.
- Thirty calendar days prior to a user's password expiring, the user will see a reminder to reset the password each time the user logs into NAS.

## CODE ADMINISTRATION

### Overview

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

- Numbering plan area (NPA) codes (area codes);
- Central office codes;
- PCS 5YY codes;
- 9YY-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 NANP telephone number. NPA codes are in NXX format, where N is any digit from 2 through 9 and X is any digit from 0 through 9. Attachment 1 to this annual report provides an inventory of NPA codes.

Most NPA codes designate specific geographic areas; for example, NPA 302 serves Delaware and NPA 207 covers the state of Maine. NPA codes used in this manner are called geographic NPA codes. As of December 31, 2009, 335 geographic NPA codes were in service. Of these, 289 serve the U.S. and its territories, 27 serve Canada and the remaining 19 serve Bermuda and the Caribbean countries participating in the North American Numbering Plan. Attachments 2 and 3 to this annual report are tables of geographic NPA codes currently in use, sorted by location and numerically.

Other NPA codes designate special services such as toll-free calling rather than geographic areas. These codes are called non-geographic NPA codes. Normally, NPA codes ending in a repeating digit, called “easily recognizable codes,” are used to identify toll-free or other special services. Currently 11 such codes are in use. One new non-geographic NPA code, 533, went

into service in 2009 in relief of the 500 NPA. Attachment 4 lists the non-geographic NPA codes currently in service.

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

### 2009 Activities

Eight new NPA codes were introduced in 2009, as shown in the table below.

Table 1: NPAs Introduced in 2009

NPA	Date In Service	Location	Overlay?	Parent NPA	Planning Letter Number(s)	NPA Overlay Complex
681	3/28/2009	West Virginia	Yes	304	375	304/681
385	3/29/2009	Utah	Yes	801	366, 363, 337, 326, 308, 248, 231	801/385
747	5/18/2009	California	Yes	818	378	818/747
849	7/1/2009	Dominican Republic	Yes	809	387R1	809/829/849
533	9/26/2009	Non-Geographic	Yes	500	399, 394, 382, 379, 372	500/533
872	11/7/2009	Illinois	Yes	312/773	392, 390, 195	312/773/872
442	11/21/2009	California	Yes	760	381, 377, 238, 194, 160	760/442
475	12/12/2009	Connecticut	Yes	203	388, 255, 217	203/475

Seven area codes were assigned in 2009. NPA 938 was assigned as the relief area code for the Alabama NPA 256. NPA 849 was assigned to relieve the Dominican Republic NPAs 809/829. NPA 531 was assigned as the relief NPA code for the Nebraska 402 NPA. NPA 579 was assigned as the relief area code for the Quebec, Canada NPA 450. NPA 721 was assigned as the new NPA code for Sint Maarten. NPA 249 was assigned in relief of NPA 705 in Ontario, Canada. And finally, NPA 327 was assigned as the relief code for the Arkansas 870 NPA.

As of December 31, 2009, 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 canceled or revised in the future. “Scheduled” means a specific in-service date has been identified for the new NPA.

Table 2: NPAs planned but not yet introduced

New NPA	Location	Country	Anticipated In Service Date	Parent NPA	Status	Planning Letter Number(s)
227	MD	US		240	Pending	
249	Ontario	Canada	3/19/2011	705	Scheduled	398R1
274	WI	US	3/10/2012	920	Scheduled	385
283	OH	US		513	Suspended	316 286 264
327	AR	US	5/18/2013	870	Scheduled	400
341	CA	US		510	Suspended	206 190
343	Ontario	Canada	05/17/2010	613	Scheduled	386
364	KY	US	10/29/2011	270	Scheduled	391 376 371 365
369	CA	US		707	Suspended	238 210
380	OH	US		614	Suspended	317 297 290
447	IL	US		217	Pending	
458	OR	US	02/10/2010	541	Scheduled	383
464	IL	US		708	Pending	195
470	GA	US		678	Pending	269
531	NE	US	3/26/2011	402	Scheduled	397 393
534	WI	US	8/14/2010	715	Scheduled	384
557	MO	US		314	Suspended	303 279 261
564	WA	US		206, 253, 360, 425	Suspended	298 239 196
579	Quebec	Canada	8/21/2010	450	Scheduled	395
627	CA	US		707	Suspended	238 210
628	CA	US		415	Suspended	206 191
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
689	FL	US		407	Suspended	325 323
721	Sint Maarten	Sint Maarten	5/31/2010		Scheduled	396
730	IL	US		618	Pending	
737	TX	US		512	Suspended	276 233
764	CA	US		650	Suspended	206 193
822	NANP area	US		800	Pending	214
833	NANP area			800	Pending	214
844	NANP area			800	Pending	214
855	NANP area			800	Pending	197
935	CA	US		619	Suspended	230 128
938	AL	US	7/10/2010	256	Scheduled	389
959	CT	US		860	Pending	388 255 217
975	MO	US		816	Suspended	304 280 262
984	NC	US		919	Pending	306 271

## 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. Seven new overlays were introduced in 2009. Listed in Table 3 are the overlay complexes in service as of December 31, 2009.

## Dialing plans

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

Key variables in determining a dialing pattern are 1) whether or not the call originates and terminates within the same NPA, 2) whether the call is a local or toll call and 3) whether the call requires special handling (e.g., credit card, third-party billing, or operator assistance). Dialing patterns in the U.S. have been largely standardized. Local calls originating and terminating

within the same NPA are usually dialed on a seven-digit basis, omitting the 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.

Table 3: NPA Overlays

Location	Overlay Complex
Alberta	403-780-587
British Columbia	250-604-778
California	310-424
California	714-657
California	818-747*
California	760-442*
Colorado	303-720
Connecticut	203-475*
Dominican Republic	809-829-849*
Florida	305-786
Florida	407-321
Florida	954-754
Georgia	404-770-678
Georgia	706-762
Illinois	312-773-872*
Illinois	815-779
Illinois	630-331
Illinois	847-224
Maryland	301-240
Maryland	410-443
Massachusetts	508-774
Massachusetts	617-857
Massachusetts	781-339
Massachusetts	978-351
Michigan	248-947
Mississippi	601-769

Location	Overlay Complex
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
Ontario	519-226
Oregon	503-971
Pennsylvania	215-267
Pennsylvania	412-724-878
Pennsylvania	610-484
Puerto Rico	787-939
Quebec	514-438
Quebec	418-581*
Texas	214-469-972
Texas	713-281-832
Texas	817-682
Texas	903-430
Utah	801-385*
Virginia	703-571
West Virginia	304-681*

\* New in 2009

## Resource report—Central office codes

Contact: Beth Sprague, 571-434-5513

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

NANPA administers geographic central office codes in the U.S. and its territories. The Canadian Numbering Administrator performs this function in Canada. In the remaining NANP countries, regulatory authorities are playing an increasingly active role in central office code administration as competition emerges in these countries. Contact information for regulatory and administrative personnel can be found in Attachment 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 contains 10,000 numbers, for use in the area the code serves. Central office code requests also come through the Pooling Administrator in order to 1) assign a Location Routing Number (LRN), 2) replenish the supply of available thousands blocks or 3) dedicate to a customer. NANPA tracks over 141,000 assigned central office codes in the U.S. and its territories. NANPA processed nearly 12,000 requests in 2009 (down from 15,000 in 2008) 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 the guidelines can be found at the Alliance for Telecommunications Industry Solutions (ATIS) website at <http://www.atis.org/inc/incguides.asp>.

## Central Office Code Activity

Central office code monthly application and assignment activities during 2009 are shown in the table below.

Table 4: 2009 Monthly CO Code Activity

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Assignments	100	205	370	154	135	206	150	106	146	208	154	210	2,144
Changes	458	739	596	1,345	1,771	375	765	1,273	309	351	166	424	8,572
Denials	100	72	65	43	34	40	79	66	39	60	49	89	736
Cancellations (Note 1)	40	5	47	7	16	12	5	7	3	14	2	35	193
Canceled													
Disconnects (Note 1)	0	0	0	0	0	1	1	0	1	0	0	0	3
Disconnects	74	36	79	48	14	53	32	28	22	21	86	41	534
Reservations	1	0	0	0	0	0	0	0	1	0	0	0	2
<b>Total Processed</b>	<b>733</b>	<b>1,052</b>	<b>1,110</b>	<b>1,590</b>	<b>1,954</b>	<b>674</b>	<b>1,026</b>	<b>1,473</b>	<b>517</b>	<b>640</b>	<b>455</b>	<b>764</b>	<b>11,988</b>
Pooling Pass-Thru	359	498	621	948	589	408	506	561	352	351	234	533	5,960

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

The rows in the table should be interpreted as follows:

- Assignments — Applications that resulted in the assignment of a new central office code.
- Changes — Applications that resulted in a change to the information associated with a code assignment, for example, 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. These applications are not counted in the total quantity of applications processed.
- Canceled Disconnects — Applications requesting the return (disconnect) of an assigned code that was canceled after NANPA issued the Part 3 approving the return.
- Disconnects — Applications requesting the return (disconnection) of an assigned code.
- Reservations — Applications requesting and receiving a code reservation.
- Total Processed — Total quantity of applications processed by NANPA.
- Pooling Pass-Thru — Applications processed by NANPA that came through the National Pooling Administrator.

The quantity of new CO code assignments in 2009 as compared to 2008 was down by 800 codes. Central office code change requests in 2009 were down 19% when compared to 2008. The quantity of denials, cancellations and disconnects in 2009 were all down when compared with 2008. For 2009, there was a 20% reduction in the quantity of central office code applications processed as compared with 2008.

Beginning in late 2004, NANPA was directed by the FCC to assist in certain aspects of the Debt Collection Improvement Act of 1996. Specifically, NANPA was directed to withhold assignment of numbering resources to an entity identified by the FCC as delinquent in their payments to the Commission. In accordance with this requirement, NANPA denied eleven (11) central office code assignment requests in 2009.

## Central Office Code Activity (Year over Year)

NANPA also tracks year over year assignment data to identify any trends in CO code assignment rates. Table 5 shows the total quantity of CO codes assigned since 2000. Also included is the net demand for the year, reflecting the total number of codes assigned less the number of codes returned.

Table 5: Year over Year CO Code Assignments

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2000	15,027	11,365
2001	10,398	4,304
2002	7,178	3,574
2003	3,245	1,457
2004	3,128	2,144
2005	3,312	2,307
2006	4,078	3,412
2007	3,216	2,467
2008	2,946	2,162
2009	2,144	1,610

## Central Office Code Administration Quality Measurements

Central office code administration quality results for 2009 are summarized in Table 6. A detailed description of the quality measurements follows.

The table shows three primary measurements:

- 1. Application processing** — NANPA is required to process central office code applications within seven (7) calendar days. The table shows the percentage of applications processed within 7 calendar days, the number of applications exceeding the 7 calendar day period and, for those applications requiring more than 7 calendar days, the “average number of days late.” The results in the table show uniform, high quality processing.
- 2. Codes assigned without a code conflict or reject** — A ‘Code Conflict’ occurs when a code assigned by NANPA cannot be placed into service due to a dialing conflict. A ‘Code Reject’ occurs when a code assigned by NANPA must be replaced because the code originally assigned cannot be placed into service.
- 3. Telephone calls** — Code Administrators are required to return telephone calls by no later than the end of the next business day. The table shows the percentage of telephone calls returned during the required period along with the “average days late” for calls returned outside of the required period.

Table 6: 2009 CO Code Administration Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>1. Percent of central office code applications processed in 7 calendar days</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Number of applications exceeding 7 calendar days	0	0	0	0	0	0	0	0	0	0	0	0
Average days late for applications exceeding 7 calendar days	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>2. Percent of central office codes assigned without code reject or conflict</b>	100.0%	100.0%	100.0%	99.3%	98.5%	100.0%	98.0%	99.1%	100.0%	98.5%	100.0%	100.0%
<b>A. CO code rejects (Note 1)</b>	0	0	0	0	0	0	3	0	0	3	0	0
<b>B. CO code conflicts</b>	0	0	0	1	2	0	0	1	0	0	0	0
<b>3. Percent of administrator phone calls returned by end of next business day</b>	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Total number of administrator calls	187	193	109	173	100	100	74	64	89	57	80	75
Average days late for phone calls returned late	N/A											

**Note 1** – In 2009, a code exchange initiated by a service provider was removed from this measurement.

## 2009 Activities

Below is a summary of central office code administration activities in 2009.

**Notification of a Service Provider Missing the Part 4 Due Date** — Beginning May 15, 2009, a new “Part 4 Delinquent” notice was sent from NAS to the service provider when a Part 4 (Confirmation of CO Code In-Service) can no longer be accepted by NANPA. NAS sends an email to all the recipients of the Part 4 reminder notice, informing the service provider that they must now submit their Part 4 to the appropriate regulatory authority. This notice is created and sent by NAS the night after the last day the Part 4 will be accepted by the system.

**Trouble Ticket System in NAS** — Effective September 25, 2009, a trouble ticket mechanism was incorporated into NAS, allowing all trouble tickets to be entered and stored in the system, rather than in an external system.

**Reclamation Enhancements** — In February 2009, NAS was modified to allow the Reclamation Coordinator to systematically send regulators positive confirmation of no central office codes on a monthly reclamation list. An additional NAS enhancement was implemented in July 2009 which allowed the Code Administrator to systematically approve delinquent Part 4 forms that had been approved by the appropriate regulatory authority.

**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 website, [www.nanpa.com](http://www.nanpa.com).

At the end of 2009, 21 NPAs were in jeopardy. Six area codes were removed from the list of jeopardy NPAs as NPA relief was implemented. One area code was added during the year.

**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 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, NANPA will send a reminder notice to the code assignee.

NANPA tracks code assignment effective dates and, if the Part 4 is not received within the six-month period following the effective date, the code is considered to be delinquent and NANPA notifies the appropriate regulatory authority. The 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 website provides detailed information about the reclamation process, including contact information for each participating state and the FCC.

To measure reclamation effectiveness, NANPA monitors the percentage of delinquent codes on which it begins the reclamation process, along with the number of codes recovered each month. The recovery of a code must be directed by the appropriate regulatory authority. NANPA also monitors the reclamation lists provided to the states/FCC to ensure there are no errors or discrepancies. Table 7 reflects the reclamation activity in 2009.

Table 7: 2009 CO Code Reclamation Quality Results

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Percentage of applicable codes on which reclamation was started	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Number of codes for which a Part 4 was not rec'd 180 days after NANPA effective date (Note 1)	24	30	20	35	18	16	24	8	3	4	15	14
Number of codes on which reclamation started late.	0	0	0	0	0	0	0	0	0	0	0	0
Codes recovered (Note 2)	1	0	3	2	0	2	4	1	1	0	0	0
Number of Reclamation Discrepancies Reported by State Commission(s) Regarding Monthly Reclamation List	0	0	0	1	0	0	0	0	0	0	0	0

**Note 1:** Quantity of codes for which NANPA did not receive a Part 4 in service confirmation 180 days after the original effective date.

**Note 2:** This measurement shows the number of codes recovered through the reclamation process (the state or FCC directed NANPA to reclaim the code).

## Resource report—5YY-NXX codes

Contact: Nancy Fears, 830-632-5979

NANPA assigns 5YY-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/inc/incguides.asp>), 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 the 5YY resource is not portable; the NXX identifies the service provider.

In 2008, NANPA assigned the 533 NPA in relief of the 500 NPA. In September 2009, with the exhaust of the 500 resource, NANPA initiated the assignment of NXX codes from the 533 NPA.

During 2009, NANPA assigned 260 new 5YY-NXX codes (yielding an average assignment rate of 21.6 codes per month). This quantity of assignments represents a 70% increase in the number of 5YY-NXX assignments from the previous year.

At the end of 2009, a total of 888 NXX codes were assigned (783 assigned 500-NXXs and 105 assigned 533-NXXs), a total of 23 codes had been reclaimed/returned and 694 codes remained available for assignment (8 available 500-NXXs and 686 available 533-NXXs). Eighteen 5YY-NXX codes are not available for assignment (5YY-555 and all 5YY-N11). Based on NRUF forecast data and assignment information, the exhaust of the 5YY-NXX resource was projected for 2012.

In 2009, NANPA issued two planning letters addressing the status of the 500 NPA and the projected exhaust time frame as well as announcing the initiation of 533-NXX assignments.

NANPA continues to provide information concerning assignments, updates and reclamations for inclusion in the Telcordia™ LERG™ Routing Guide. NANPA also solicits trouble reporting contact information for 5YY-NXX assignments and forwards the information to the Next Generation Interconnection Interoperability Forum (NGIIF) as required.

## Resource report—9YY-NXX codes

Contact: Nancy Fears, 830-632-5979

During 2009, there were no new 900-NXX assignments and no codes were reclaimed/returned.

Fifty-five 900-NXX codes were not available for assignment as of December 31, 2009. These include 900-N11 (8) and 47 codes reserved for Canadian use.

At the end of 2009, a total of 115 900-NXX assignments were in effect. The number of 900-NXX codes available for assignment was 630. With the quantity of available 900 NXX codes, exhaust of the 900 NPA is not an issue at this time.

NANPA continues to provide information about assignments, updates and reclamations to TRA for inclusion in the LERG Routing Guide. NANPA also solicits trouble reporting contact information

## Resource report—555 line numbers

Contact: Nancy Fears, 830-632-5979

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/inc/incguides.asp>.

During 2009, there were 42 new 555 line numbers assigned by NANPA and 57 line number assignments were reclaimed.

At the end of 2009, a total of 7,581 national assignments and 386 non-national line number assignments (290 actual line numbers, assigned to one or more assignees in one or more NPA) were in effect. In addition, 116 line numbers remain in “dispute” status and 100 line numbers are reserved for the entertainment/advertising industries. At year end, 1,816 555 line numbers were available for assignment.

In 2009, NANPA identified seventeen 555 line number assignments as “abandoned” (555 line numbers assigned to individuals or companies whose telephone and fax numbers are no longer in service and letters sent via courier service to these individuals or companies were returned to NANPA as undeliverable).

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

## Resource report—Carrier identification codes

Contact: Nancy Fears, 830-632-5979

Carrier Identification Codes (CICs) are four-digit codes used to route and bill telephone traffic. Typically, an entity acquires a CIC assignment by purchasing Feature Group B (FG B) or Feature Group D (FG D) access from an access service provider. NANPA also assigns FG D CICs to “switchless resellers” without the requirement to purchase direct FG D trunk access before applying for a CIC.

In late 2006, changes to the CIC Assignment Guidelines allowed billing and collection clearinghouses (“BC clearinghouses”) to obtain FG D and “matching” FG B CICs without the requirement to purchase direct access. A “BC clearinghouse” is only allowed to apply for a CIC under circumstances when the use of an ABEC (Alternate Billing Exchange Code) is not permitted as an identifier and/or when the use of an ABEC has been determined as technically non-feasible.

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

Industry-consensus guidelines for the administration of CICs may be found on the ATIS website. The assignment guidelines encourage LECs providing FG B and/or FG D access service, particularly LECs with more than 30 CICs programmed in their switches, to submit Access Provider semi-annual CIC access/usage reports to NANPA for analysis.

Information contained in these reports serves as the basis for NANPA’s reclamation of CICs in an ongoing effort to avoid exhaust of the resource. If no access provider reports access/usage for a given CIC, NANPA initiates reclamation procedures. All CIC assignees, including switchless resellers and “BC clearinghouses”, are expected to submit semi-annual Entity Access/Usage reports to NANPA. These reports demonstrate whether access or usage has been established as well as document that assigned CICs are being used in accordance with the CIC Assignment Guidelines. To initiate reclamation, a letter (sent via certified mail or by courier service for delivery verification purposes) advises the assignee of record that direct trunk access/usage must be established with an access provider within 60 days from the date of the letter, or, alternatively, the assignee of record must have the access service provider supply NANPA with verification that 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/usage has not been provided, the CIC is reclaimed. In some cases, the Post Office or courier service returns NANPA’s reclamation letter as “undeliverable.” In these cases, NANPA advises the Industry Numbering Committee (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 following the idle period required by the guidelines (12 months), unless the INC directs otherwise.

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

## FG D CIC activity

During 2009, NANPA assigned 74 new FG D CICs, yielding an average assignment rate of 6.0 codes per month. US/Canadian switchless resellers received 22 of these assignments. Just as important, NANPA continued its concerted effort in 2009 to investigate and reclaim FG D CICs that were “abandoned” (assigned to companies no longer in business) and/or not in service. Our efforts resulted in the return/reclamation of 80 FG D CICs.

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

At the end of 2009, 2,022 FG D CICs were assigned in total, leaving 7,755 FG D CICs available for assignment. Based on the 2009 average monthly assignment rate, the projected exhaust for the FG D CIC resource is over 100 years. It should be noted that reclaimed/returned FG D CIC assignments are not factored into this projection and that this projection is based on current circumstances; i.e., the FCC limit of 2 FG D CICs per “entity.”

For 2009, NANPA identified 129 FG D CICs as “abandoned” (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA’s records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC assignment guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these “abandoned” CICs since activity (FG D access and/or usage) appeared on access providers’ 2009 semi-annual CIC reports.

**Table 8: Monthly FG D assignments, denials and reclamations**

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	8	7	0	6
February	1	5	0	0
March	8	9	1	4
April	7	9	0	0
May	7	3	0	3
June	6	4	0	0
July	7	11	1	5
August	5	5	1	0
September	8	13	1	3
October	12	6	1	3
November	0	5	1	2
December	5	3	0	2
<b>Total</b>	<b>74</b>	<b>80</b>	<b>6</b>	<b>28</b>

## FG B CIC activity

During 2009, no FG B CICs were assigned by NANPA and fourteen (14) FG B CICs were returned/reclaimed. At the end of 2009, 275 FG B CICs were assigned in total. The potential exhaust of the FG B CIC resource is not a concern based on the current rate of assignment.

As of the end of 2009, NANPA had identified 24 FG B CICs as “abandoned” (CICs assigned to companies no longer in business, or CICs assigned to companies that have sold assets to other entities, or companies that have been acquired by other entities through mergers/acquisitions). These CICs are now listed in NANPA’s records with no valid contact information. The assignee of these CICs and/or the companies that have acquired the CIC assignee company(ies) have failed to adhere to the CIC assignment guidelines by providing NANPA with legal documentation of the activities described in this paragraph. NANPA has been unable to reclaim these “abandoned” CICs since activity (FG B usage and/or access) appeared on access providers’ 2009 semi-annual CIC reports.

**Table 9: Monthly FG B assignments, denials and reclamations**

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	6	0	0
May	0	2	0	1
June	0	0	0	0
July	0	5	0	0
August	0	0	1	0
September	0	1	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
<b>Total</b>	<b>0</b>	<b>14</b>	<b>1</b>	<b>1</b>

## 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 NANP.

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 and 611, although long used for the purposes indicated in the table below, have not been formally assigned by the FCC in the U.S. at this time.

There was no N11 assignment activity in 2009.

Table 10: N11 Code Assignments

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

## 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 <http://www.atis.org/inc/incguides.asp>. The guidelines are entitled "International Inbound NPA (INT/NPA/NXX) Assignment Guidelines."

No 456-NXX assignments were requested during 2009. A complete list of 456-NXX assignments may be found on the NANPA website, [www.nanpa.com](http://www.nanpa.com).

## Resource report—800-855 numbers

Contact: John Manning, 571-434-5770

800-855 numbers are used only for the purpose of accessing public services on the Public Switched Telephone Network (PSTN) intended for the deaf, hard of hearing or speech impaired. NANPA assigns these numbers in accordance with industry-developed guidelines that may be found on the ATIS website.

No 800-855 number assignments were made in 2009. A complete list of 800-855 assignments may be found on the NANPA website, [www.nanpa.com](http://www.nanpa.com).

## Resource report—Automatic Number Identification "II" digits

Contact: John Manning, 571-434-5770

Automatic Number Identification (ANI) Information Integers ("II") digits are digit pairs sent with the originating telephone number. The digit pair identifies the type of originating station; e.g., plain old telephone service (POTS) or hotel/motel. 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](http://www.nanpa.com).

No ANI II digit assignments were made in 2009.

## 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.

NANPA made no VSC assignments in 2009. A complete listing of assigned VSCs is available on the NANPA website, [www.nanpa.com](http://www.nanpa.com).

## NPA RELIEF PLANNING OVERVIEW

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*Contacts: Wayne Milby, 804-795-5919  
and Joe Cocke, 805-520-1945*

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

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 planning meeting to discuss local dialing arrangements, communities of interest and other pertinent issues to identify viable methods of relief. Using input from this meeting, relief planners prepare and distribute an initial planning document (IPD) for consideration that outlines several alternative relief plans. NANPA then facilitates an industry meeting (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 explaining the options considered and describes the recommended relief option(s) if the industry has reached consensus to do so. The relief planner submits the petition on behalf of the industry to the state regulatory commission for approval.

The respective state commission reviews the proposed plan and often conducts public hearings and invites public comment. When that occurs, the relief planner actively participates and may be called upon to testify relating to various aspects of the proposed relief plan. 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. Using decisions made at the initial implementation

meeting, the relief planner then prepares and publishes a planning letter on the NANPA website. The planning letter announces the method of relief selected, the identity of the new area code, the schedule for relief, the new dialing plan, the test number 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 and National Pooling Administrators. Relief planners schedule and facilitate jeopardy conference calls and are closely involved in decisions about the timing of relief activities involving central office codes.

In 2009, NANPA initiated two new NPA relief planning projects and conducted five initial NPA implementation meetings. NANPA also filed five NPA relief petitions with the appropriate state public service commissions. One of these petitions was the result of an industry request to forego an NPA split recommendation and implement an all-services overlay. NANPA also responded to a state request to provide updated projected lives of relief options contained in a previously-submitted petition. Further, at the request of a state commission, NANPA conducted an NPA relief planning meeting to re-visit the various relief options in a previously-filed petition and determine if an industry consensus still existed for the recommended alternative.

NANPA relief planners facilitated 25 meetings, conducted entirely by conference calls. They supported state commissions by participating in thirteen (13) state-sponsored regulatory hearings and workshops. To keep the industry informed, NANPA issued 95 notifications using the NANP Notification System (NNS). NANPA created and published nine planning letters describing the details of ongoing area code relief projects and other NPA relief-related state regulatory orders.

## Relief planning quality measurements

Industry guidelines prescribe time limitations for the completion of many NPA relief planning activities. To quantify the timeliness of its relief planning work, NANPA has established objectives for the completion of many additional activities, as shown in Table 11. Overall, in 2009, NANPA completed 100% of the 51 tracked activities on schedule, consistent with the results for the previous five years.

Table 11: Relief planning timeliness

Performance Measurement	Events in 2009	Completed on time	% on time completion
Initiated NPA relief planning within 36 months of NPA exhaust.	2	2	100%
Distributed initial industry meeting notice within 8 weeks of relief meeting date.	2	2	100%
Distributed IPD within 4 weeks of relief meeting date.	2	2	100%
Distributed meeting minutes within 2 weeks or date set at the meeting.	20	20	100%
Held minutes review by date set at the meeting.	5	5	100%
Filed relief-related petitions by date set at the meeting.	5	5	100%
Requested relief NPA assignment within 1 week of regulatory approval.	3	3	100%
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 or notice of industry meeting on website within 3 weeks after implementation meeting.	5	5	100%
Posted planning letter on website within 10 business days after regulatory change.	2	2	100%
Distribute IPD 4 weeks after date jeopardy was declared, if relief planning has not been initiated	1	1	100%
Hold industry relief planning meeting 8 weeks after date jeopardy was declared, if relief planning has not been initiated	1	1	100%
<b>Totals</b>	<b>51</b>	<b>51</b>	<b>100%</b>

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

## Customer survey feedback

Participants at the two relief planning meetings held in 2009 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 relief planning meetings held during the year responded and rated their overall satisfaction with NANPA's conduct of the meetings an average of 4.86 out of a maximum of 5.00.

Table 12: Relief planning meeting satisfaction survey

Question	2009	2008	2007
Overall satisfied with conduct of meeting?	4.86	4.98	5.00
Received adequate meeting notice from NANPA?	5.00	4.92	5.00
NANPA was an effective facilitator?	4.76	4.96	5.00
Participant had an adequate opportunity to express opinions?	4.91	5.00	5.00
NANPA conducted the meeting impartially?	5.00	4.95	5.00
NANPA provided satisfactory response to questions and concerns?	4.91	4.96	4.93
NANPA provided satisfactory information about code history and NPA status?	4.97	4.98	5.00
Explained relief alternatives effectively?	4.97	5.00	4.93
Quality of documents and information provided was satisfactory?	4.90	4.94	4.86
NANPA presented well developed and reasonable relief alternatives?	4.97	4.95	5.00
Participant could easily obtain documents?	4.97	4.93	4.79

In 2009, 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.

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 four conference calls, including topics such as area code 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 with NANPA's conduct of the calls an average of 5.00 out of a maximum of 5.00 (see Table 13).

**Table 13: Relief Planning conference call satisfaction survey**

Question	2009	2008	2007
Overall satisfaction with NANPA's conduct of the conference call?	5.00	5.00	4.96
NANPA conducted the conference call in an impartial manner?	5.00	4.99	4.97
NANPA provided adequate notice of the conference call?	4.98	4.96	4.95
Adequate opportunity to express opinions during the call?	4.93	5.00	4.99
NANPA was well prepared for the meeting?	5.00	4.98	4.94
NANPA was an effective facilitator on the call?	5.00	5.00	4.92
Quality of documents and information was satisfactory?	4.94	4.95	4.87
Information provided prior to the call was sufficient?	4.90	4.93	4.91
Easily able to obtain documents?	4.85	4.86	4.89
The conference call facilities (e.g., sound quality) were satisfactory?	4.94	4.92	4.80

### Relief planning process

NANPA's relief planners continued using the practices below in the relief planning process during 2009:

- A “pre-planning” conference call precedes preparation of each IPD, allowing those with useful local knowledge to contribute to the development of better relief options. Rate center lists are 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 conducted by conference call to reduce travel costs and increase participation, except in unusual circumstances and/or at the specific 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.
- NANPA facilitates industry meetings to review and modify the quantity of codes set aside for number pooling when the NPA is in jeopardy. Per industry guidelines, NANPA re-opens jeopardy procedures in order to permit the industry to determine via consensus if modifications to those procedures are needed.
- NANPA shadows industry NPA relief implementation subcommittee meetings to stay informed on the progress of the implementation as well as to gather and share knowledge and information gained via these activities with other similar relief efforts.
- NANPA publishes monthly reports on the status of NPA relief projects. In addition, during the NPA relief planning process, a state regulator or the industry may specify further action that NANPA is required to undertake based on a related event or trigger point expected to occur sometime in the future. NANPA provides a report that lists these events and associated activities.
- When distributing notices concerning relief planning activities, NANPA includes a link in the notice to permit quick and easy access to supporting documentation to be used in the meeting.

## NUMBERING RESOURCE UTILIZATION AND FORECAST

### Overview

Contact: Al Cipparone, 571-434-5789

The collection of utilization and forecast data, known as Numbering Resource Utilization/Forecast (NRUF) Reporting, has been in effect since the FCC's Numbering Resource Optimization (NRO) Order in 2000. NANPA is charged with collecting and reporting this data. 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 for heightened reporting enforcement, including the responsibility to withhold numbering resources from service providers that fail to file utilization and forecast reports.

As required by the FCC, NANPA collects, sorts and stores NRUF data submitted by service providers. Data may be submitted via the NANP Administration System (NAS), email (i.e. Excel™ workbook), Electronic File Transfer (EFT), compact disk, or paper. In 2009, NANPA processed more than 14,000 NRUF submissions. NANPA processed these submissions within a ten-day time frame and provided confirmation of receipt within five days of receiving each submission. In addition to processing submissions, the NRUF group also responded to over 2,300 telephone calls and email inquiries.

Two NAS-NRUF refresher training sessions were held in December. Nearly 70 individuals representing 60 different service providers participated. The training covered a variety of topics including a review of the various reporting mechanisms, NRUF filing requirements and definitions of the usage fields on FCC Form 502. The training incorporated the use of WebEx™ to allow participants to follow a demonstration of various NAS NRUF capabilities. Applicable training documentation updated in support of the education efforts included the NRUF On-Line Training Guide, Geographic Job Aid and Non-Geographic Job Aid.

### 2009 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 2009 NPA exhaust projections was similar to the methodology NANPA has used in the past several years to project area code exhaust and had previously been reviewed with the North American Numbering Council and the FCC. In reporting the NPA exhaust projections, NANPA provides the previously-projected NPA exhaust time frames in order to view the changes that have occurred over time.

NANPA projects NPA and NANP exhaust on a semi-annual basis. Exhaust projections are available at the end of April and October. Throughout the year, NANPA monitors central office code assignment rates in all area codes and will adjust the projected NPA exhaust date if necessary. 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.

Table 14: Summary of the volume of NRUF submissions and associated items for 2009

Qualitative Measurements	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Form 502 Email Submissions	2,395	1,056	377	237	195	153	2,501	682	327	175	156	117
Form 502 FTP Submissions	658	109	28	20	15	8	820	368	25	28	29	33
Form 502 Web Submissions	1,060	268	146	131	110	87	952	297	156	183	151	93
Total Submissions	4,113	1,433	551	388	320	248	4,273	1,347	508	386	336	243
Error Notifications Sent	815	338	93	91	38	23	763	335	85	49	42	14
Missing Utilization Notifications Sent	0	200	0	0	0	0	0	180	0	0	0	0
Anomalous Notifications Sent	0	63	367	66	0	0	0	163	260	57	0	0
Confirmation Notifications Sent	2,164	815	306	166	172	135	2,540	705	270	154	143	135
Phone Calls/Emails Received	380	271	200	212	91	94	357	248	176	152	58	89
State Reports Created	1	5	34	1	1	4	1	0	30	0	1	1
Job Aids Created/Revised	0	0	0	0	2	0	0	0	0	0	2	0

## OTHER NANPA SERVICES

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

### AOCN enterprise service

Contact: Heidi Wayman (425-335-1351)

Upon request, NANPA will enter data for a service provider's assigned central office codes and thousands blocks 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 over 300 service providers.

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

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

### AOCN Quality Measurements

NANPA's AOCN primary service objective is to complete data entry within five business days of receiving a request. NANPA's performance in 2009, shown in Table 15, reflects outstanding service, ensuring that service providers' routing data is input into the appropriate databases to enable the proper routing of calls.

Table 15: 2009 AOCN Quality Results

	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	67	30	26	35	43	46	54	51	52	40	50	30

### Entry of Paper Submissions of Resource Applications

Contact: John Manning, 571-434-5770

NANPA will enter paper submissions (faxed or mailed copies) of resource applications into the NANP Administration System (NAS) on behalf of the applicant. This includes the application form as well as the in-service confirmation forms (e.g., for central office code administration, the Part 1 and Part 3 forms). In 2009, NANPA processed two paper resource applications.

### Entry of Paper NRUF Submissions

NANPA will enter paper submissions (faxed or mailed copies) of the NRUF Form 502 into the NAS on behalf of the service provider. Normally, respondents submit data through email, FTP or on-line via NAS. For a fee, NANPA will accept and input data submitted by mail or by fax. In 2009, no code holders used this service.

### NANPA Testimony in State Regulatory Hearings

NANPA will prepare, file and present oral and written testimony at no charge. Should the state require a NANPA witness(es) to attend the hearing in person, NANPA will require the state to reimburse it for associated expenses (e.g., travel, lodging, meals, local transportation, etc.) for the witness(es) and legal counsel. If the state requires local counsel to represent NANPA at state regulatory hearings, these costs will be passed along to the state. In 2009, one state used this service.

### Customized Reports

NANPA offers customized reports for publicly available NPA, central office code and other resource assignment data. Specifically, NANPA creates and provides publicly available data in different formats to accommodate requests to cull data and provide customized reports for a fee that is reasonable and based on its costs. NANPA negotiates a reasonable price with each requestor. Pricing will depend upon report development time and effort, frequency, delivery mechanism and other variables. In 2009, NANPA created no customized reports.

## Financial results

Ernst & Young audits NANPA's statements of revenues and direct expenditures associated with NANPA's enterprise services. The audit is conducted in accordance with auditing standards generally accepted in the United States and the standards applicable to financial audits in Government Auditing Standards. The statements of revenues and direct expenditures are prepared for the purpose of complying with the March 2003 NANPA Technical Requirements Document.

	2007	2008
Revenues	\$462,644	\$392,609
Direct Expenditures	\$352,699	\$323,116

## INC Participation

Contact: Beth Sprague, 571-434-5513

NANPA was an active participant in the INC during 2009, introducing 13 new issues and submitting 17 contributions, as shown in the following tables. In 2009, NANPA provided the INC with written communications concerning the approval for reclamations, updates on NANPA resources and updates on NANPA's interactions with regulatory authorities. In addition, NANPA served as co-chair of the NPA Subcommittee.

Table 16: NANPA INC Issues Introduced in 2009 and Supporting Contributions

Issue #	Contribution	Issue Statement
628	NPA-243/243rev & NPA-246/246R1*	Clarification of elimination of 7-digit dialing between states during implementation of an overlay
638	CIC-028/028rev	Amend CIC Assignment Guidelines to require submission of the CIC Activation Form
639	CIC-029/029rev	Amend CIC Assignment Guidelines to specify that CIC must be placed in service within 6 months of assignment date (Sections 4.1, 6.1 and 6.2)
640	NPA-248	Amend the 555 In-Service Certification Form (Part 3)
641**		Modify CIC Assignment Guidelines by removing Sections 2.3 and 3.2
646	NPA-251	Modify Sections in the Personal Communications Services (PCS) 5YY NXX Code Assignment Guidelines that address implementation intervals
647	CIC-030/030rev	Update CIC Overview Document and Reporting Forms
660	NPA-255	NPA assignment after regulatory approval
661	NPA-256	Clarification of when a Planning Letter should be published pending regulatory approval of implementation plan and/or additional implementation meeting
662	NPA-257/257rev	Notification to NANPA of creation and elimination of protected routes
668	CO/NXX-459	Update Part 1 CO Code Request to show Expedite Explanation Field
669	CO/NXX-460/460rev1	NRUF Service Provider Name must match Service Provider OCN name
670	CO/NXX-461	Remove attaching Part 2 form to CO Code request (Part 1)

\* Indicates additional INC participants sponsored the issue or contribution.

\*\* Issue statement contained suggested text changes to the guidelines.

Table 17: NANPA 2009 Contributions to Other Issues

Issue	Contribution Number	Contribution Title
Issue 652 - Update NRUF Guidelines for Clarifications on Reporting Requirements and Forecasting in Rate Center Consolidation Situations	CO/NXX-454*	Edits to NRUF Guidelines for clarifications on reporting requirements and forecasting in rate center consolidation situations
Issue 619 - Establish NPA Code Relief Implementation Practices to address the technical and customer education issues during the implementation of an NPA Split or an Overlay	NPA-252/252rev	Suggested Revisions to NPA-242r2 per INC106 action item
Issue 619 - Establish NPA Code Relief Implementation Practices to address the technical and customer education issues during the implementation of an NPA Split or an Overlay	NPA-247/247rev1	Updates to Sections 7 and 13.1 of the NPA Relief Planning and Notification Guidelines
Issue 619 - Establish NPA Code Relief Implementation Practices to address the technical and customer education issues during the implementation of an NPA Split or an Overlay	NPA-241	Edits to NPA Code Relief Implementation Practices

\* Indicates additional INC participants sponsored the issue or contribution.

## NANPA website

Contact: John Manning, 571-434-5770

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

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

- The Central Office Code Availability and Utilization Reports provide up-to-date lists of all central office codes generally available or unavailable for assignment by geographic area code. The data is also available by NPA in a downloadable format (text and Excel™).
- The Central Office Code Assignment Activity Records provide the quantity of central office codes assigned and returned for each geographic area code on a monthly basis.
- The Part 3 Disconnect report provides a daily listing of central office codes with a pending disconnect date.

- The Central Office Code Activity Status Report provides the total number of new applications processed by NANPA by month for each state, including assignments, denials and return requests.
- Downloadable reports containing assignment information for CICs, 555 line numbers and 5YY and 9YY resources.
- Geographic Area Codes sorted by number and location.
- Planned area codes not yet in service as well as area codes introduced since 1995.
- The NPA Relief Activity Status Report provides information on all active and pending NPA relief projects in the United States.
- The NPA Relief Planning Triggers Report identifies specific actions to undertake based on a related event or trigger point expected to occur sometime in the future.

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

The website also provides the ability for interested parties to submit questions related to numbering issues and receive responses. Many such questions are received by NANPA daily. In 2009, NANPA received over 600 inquiries via its feedback mechanism. Inquiries range from the general public requesting information on dialing plans and companies seeking the latest information concerning the assignment of area codes and prefixes to how to establish telecommunications businesses and obtain numbering resources. Responding to these questions is a valuable service provided by NANPA to the general public.

Website enhancements in 2009 included the posting of the “NPA Dialing Plans” document for U.S. geographic area codes. This document contains the generic dialing plan for local and toll calls for respective NPAs. For the Area Code Search capability,

the chart titles were updated and a legend was added to help users understand the information displayed. A new link was added under the “NANPA Fast Track” on the home page to assist service providers in getting started with the central office code request process. Finally, various documents provided on the website were updated throughout the year as necessary.

### NANPA Newsletters

NANPA publishes quarterly newsletters and posts them on the NANPA website. These newsletters provide up-to-date information on resource assignments and trends, area code relief planning activities, notifications concerning NRUF submission requirements and other general number administration information. In 2009, articles appeared that addressed the new delinquent Part 4 notification in NAS, reminders about resetting a NAS user password, identifying calling areas and potential central office code conflicts and enhanced NAS security features.

### 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. These countries include the United States and its territories, Canada, Bermuda, Anguilla, Antigua & Barbuda, the Bahamas, Barbados, the British Virgin Islands, the Cayman Islands, Dominica, the Dominican Republic, Grenada, Jamaica, Montserrat, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, and Turks & Caicos.

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, Anguilla, Bermuda and the Dominican Republic use CICs. Canadian entities offer 900 services and thus share the supply of 9YY-NXX codes. NANPA may interface with other countries’ national numbering administrators during the resource request and assignment process. Normally, the national administrator receives the requests, ensures that their country’s regulatory requirements are met, and forwards the requests to NANPA. NANPA verifies that industry requirements are met and assigns the resources if appropriate to do so.

In 2009, Sint Maarten was approved to join the NANP and was assigned the 721 area code.

## Support to the FCC, state commissions and the NANC

In order to ensure the proper and efficient administration of NANP resources, NANPA meets regularly with the FCC, state commissions and the North American Numbering Council (NANC) in support of their needs for numbering information.

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

In 2009, Neustar received a new six-month contract, with two 6-month options, to perform the NANPA function, covering the period of July 2009 through January 2011. The new contract assured the FCC that Neustar would continue to provide the NANPA function over the near term, allowing the FCC needed flexibility in the timing of a competitive procurement for future NANPA services. NANPA worked closely with the FCC to renew appropriate NAS hardware and software maintenance agreements set to expire in the second half of 2009. NANPA also submitted to the FCC proposed changes to the NAS in response to modifications to industry guidelines and system requirements.

NANPA continued to support the state regulatory authorities by providing them with the number utilization data collected via semi-annual NRUF reporting and assisted state regulators in following up with the appropriate service providers with regard to this data. This included providing real-time access to NRUF data via NAS, with various reports and queries available to search and analyze the data. NANPA continued to supply state regulators with Part 1 and Part 3 reports, which provided a listing on a daily, weekly or monthly basis of all Part 1s and Part 3s processed by NANPA for their respective area codes. These reports also include the Pooling Administration System (PAS) tracking number as well as the application type (e.g., LRN request, pool replenishment, dedicated customer).

NANPA worked closely with state regulators to address specific issues or concerns associated with individual service provider requests for resources. Further, as NPA exhaust

approached, NANPA ensured the state regulators were kept informed of the latest exhaust projections and provided updated information concerning NPA relief alternatives, to include refreshing the lives of proposed relief alternatives. NANPA representatives and state commissions discussed specific activity and issues associated with active, pending or planned NPA relief projects. In 2009, NANPA submitted pre-filed direct testimony and appeared as a witness in a hearing before the Arkansas Public Service Commission. NANPA participated in town hall meetings in Oklahoma to solicit public input on relief alternatives for the 918 NPA code. NANPA assisted two state commissions with the adjustments needed to their NPA relief implementation plans due to the decision to implement an NPA overlay rather than a split. NANPA provided guidance to numerous state regulators on issues such as the scheduling of public meetings on NPA relief options and providing notification to the industry, obtaining rate center maps containing county, city and LATA boundaries, participating in state technical meetings and workshops discussing NPA implementation, assisting state commissions in understanding the status of suspended NPA relief plans and responding to state commission inquiries and data requests. NANPA also conducted an overview of the NPA relief planning process, the CO code administration function and the NRUF data collection and analysis process for state public service commission staffs.

NANPA continued to participate in bi-monthly conference calls with the state commission staffs to provide updates on its activities and solicit input on any numbering-related matter. This opportunity was used to review internal processes and to ensure a complete understanding of the responsibilities of NANPA, service providers and the state regulators. To further ensure information was provided to the states on a regular basis, email updates on pertinent NANP numbering issues were sent to the state commission staffs.

NANPA provided monthly reports to the NANC throughout 2009. These reports highlighted central office code assignment activity, NPA relief planning activity, status reports on other NANP resources administered by NANPA as well as NAS performance. NANPA also provided the results of the semi-annual NPA and NANP exhaust analysis and notified the NANC of the potential exhaust of the specific NPA resources.

NANPA worked closely with the NANC's subtending organizations as well. NANPA participated in monthly meetings with the Numbering Oversight Working Group, providing reports on performance measurements, NAS updates, a review of relevant numbering activities and NANPA performance improvement efforts. NANPA also continued to manage the NANC-Chair web page, used for posting NANC and subtending working group documentation.

## ATTACHMENT 1 — AREA CODE INVENTORY

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

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

Subtracting 119 from 800 leaves 681 assignable NPA codes. Of these, 385 have been assigned. Of these 385, 346 are in service and 39 are awaiting introduction. Of the 346 NPA codes in service, 335 are geographic and 11 are non-geographic.

Of the 681 assignable NPA codes, 296 are currently unassigned. Of these codes, 48 are easily recognizable codes (ERCs) currently allocated for non-geographic use and 248 are general-purpose codes. Of these 248, 157 are reserved<sup>1</sup> for use as future geographic codes, leaving 91 available, unreserved, general-purpose codes.

Of the 48 unassigned ERCs, 11 are reserved<sup>2</sup>, leaving 37 available.

Reserved codes are listed below.

NPA					
220	354	463	584	750	923
221	357	468	624	752	924
223	359	471	625	753	926
232	362	472	634	756	927
235	363	474	639	761	929
236	365	476	640	768	930
238	367	481	642	782	934
247	368	483	645	789	942
257	382	485	652	820	945
258	384	486	656	821	946
259	387	487	665	824	948
261	389	489	672	825	953
263	421	521	676	826	957
271	427	535	680	835	981
272	428	536	683	837	982
273	429	537	685	838	986
278	431	539	686	839	987
279	436	546	726	840	
280	437	548	728	841	
286	439	550	729	851	
287	445	558	735	852	
324	448	560	739	854	
326	449	565	742	861	
328	451	568	743	871	
329	453	572	745	873	
332	457	576	746	875	
346	460	582	748	879	
353	461	583	749	921	

<sup>1</sup>These codes have been designated for the relief of NPAs that NRUF predicts will exhaust in the next 10 years. Also included are additional NPA codes reserved for use in Canada at the request of the CRTC.

<sup>2</sup>These include the 5 codes reserved for future PCS expansion (522, 544, 566, 577 and 588) and 6 of the codes reserved for Canada (622, 633, 644, 655, 677 and 688). Canada has also reserved 699, which is counted as an expansion code.

## ATTACHMENT 2 — GEOGRAPHIC NPAs SORTED BY LOCATION

Country	Location	NPA
Anguilla	Anguilla	264
Antigua/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	587
Canada	Alberta	780
Canada	British Columbia	604
Canada	British Columbia	778
Canada	Canada	600
Canada	Manitoba	204
Canada	New Brunswick	506
Canada	Newfoundland	709
Canada	Nova Scotia	902
Canada	Ontario	226
Canada	Ontario	289
Canada	Ontario	416
Canada	Ontario	519
Canada	Ontario	613
Canada	Ontario	705
Canada	Ontario	807
Canada	Ontario	905
Canada	Quebec	418
Canada	Quebec	438
Canada	Quebec	450
Canada	Quebec	514
Canada	Quebec	581
Canada	Quebec	819
Canada	Yukon, NW Terr., Nunavut	867
Cayman Islands	Cayman Islands	345
Dominica	Dominica	767
Dominican Republic	Dominican Republic	809
Dominican Republic	Dominican Republic	829
Dominican Republic	Dominican Republic	849
Grenada	Grenada	473
Jamaica	Jamaica	876
Montserrat	Montserrat	664
St. Kitts & Nevis	St. Kitts & Nevis	869
St. Lucia	St. Lucia	758
St. Vincent & Grenadines	St. Vincent & Grenadines	784
Trinidad & 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

Country	Location	NPA
US	American Samoa	684
US	AR	479
US	AR	501
US	AR	870
US	AZ	480
US	AZ	520
US	AZ	602
US	AZ	623
US	AZ	928
US	CA	209
US	CA	213
US	CA	310
US	CA	323
US	CA	408
US	CA	415
US	CA	424
US	CA	442
US	CA	510
US	CA	530
US	CA	559
US	CA	562
US	CA	619
US	CA	626
US	CA	650
US	CA	657
US	CA	707
US	CA	714
US	CA	747
US	CA	760
US	CA	805
US	CA	818
US	CA	831
US	CA	858
US	CA	909
US	CA	916
US	CA	925
US	CA	949
US	CA	951
US	CNMI	670
US	CO	303
US	CO	719
US	CO	720
US	CO	970
US	CT	203
US	CT	475
US	CT	860
US	DC	202
US	DE	302
US	FL	239

## ATTACHMENT 2 (continued)

Country	Location	NPA
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
US	GA	706
US	GA	762
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	331
US	IL	618
US	IL	630
US	IL	708
US	IL	773
US	IL	779
US	IL	815
US	IL	847
US	IL	872
US	IN	219
US	IN	260
US	IN	317
US	IN	574

Country	Location	NPA
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
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

## ATTACHMENT 2 (continued)

Country	Location	NPA
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	MS	769
US	MT	406
US	NC	252
US	NC	336
US	NC	704
US	NC	828
US	NC	910
US	NC	919
US	NC	980
US	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	NM	575
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
US	NY	646
US	NY	716
US	NY	718
US	NY	845
US	NY	914
US	NY	917
US	OH	216

Country	Location	NPA
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
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

## ATTACHMENT 2 (continued)

Country	Location	NPA
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	710
US	US Virgin Islands	340
US	UT	385
US	UT	435
US	UT	801
US	VA	276
US	VA	434

Country	Location	NPA
US	VA	540
US	VA	571
US	VA	703
US	VA	757
US	VA	804
US	VT	802
US	WA	206
US	WA	253
US	WA	360
US	WA	425
US	WA	509
US	WI	262
US	WI	414
US	WI	608
US	WI	715
US	WI	920
US	WV	304
US	WV	681
US	WY	307

Note: All geographic NPAs were in service as of December 31, 2009.

## ATTACHMENT 3 — GEOGRAPHIC NPAs SORTED NUMERICALLY

NPA	Country	Location
201	US	NJ
202	US	DC
203	US	CT
204	Canada	Manitoba
205	US	AL
206	US	WA
207	US	ME
208	US	ID
209	US	CA
210	US	TX
212	US	NY
213	US	CA
214	US	TX
215	US	PA
216	US	OH
217	US	IL
218	US	MN
219	US	IN
224	US	IL
225	US	LA
226	Canada	Ontario
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
289	Canada	Ontario
301	US	MD
302	US	DE

NPA	Country	Location
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
331	US	IL
334	US	AL
336	US	NC
337	US	LA
339	US	MA
340	US	US Virgin Islands
345	Cayman Islands	Cayman Islands
347	US	NY
351	US	MA
352	US	FL
360	US	WA
361	US	TX
385	US	UT
386	US	FL
401	US	RI
402	US	NE
403	Canada	Alberta
404	US	GA
405	US	OK
406	US	MT
407	US	FL
408	US	CA
409	US	TX
410	US	MD
412	US	PA
413	US	MA
414	US	WI
415	US	CA

## ATTACHMENT 3 (continued)

NPA	Country	Location
416	Canada	Ontario
417	US	MO
418	Canada	Quebec
419	US	OH
423	US	TN
424	US	CA
425	US	WA
430	US	TX
432	US	TX
434	US	VA
435	US	UT
438	Canada	Quebec
440	US	OH
441	Bermuda	Bermuda
442	US	CA
443	US	MD
450	Canada	Quebec
469	US	TX
473	Grenada	Grenada
475	US	CT
478	US	GA
479	US	AR
480	US	AZ
484	US	PA
501	US	AR
502	US	KY
503	US	OR
504	US	LA
505	US	NM
506	Canada	New Brunswick
507	US	MN
508	US	MA
509	US	WA
510	US	CA
512	US	TX
513	US	OH
514	Canada	Quebec
515	US	IA
516	US	NY
517	US	MI
518	US	NY
519	Canada	Ontario
520	US	AZ
530	US	CA
540	US	VA
541	US	OR
551	US	NJ
559	US	CA
561	US	FL

NPA	Country	Location
562	US	CA
563	US	IA
567	US	OH
570	US	PA
571	US	VA
573	US	MO
574	US	IN
575	US	NM
580	US	OK
581	Canada	Quebec
586	US	MI
587	Canada	Alberta
601	US	MS
602	US	AZ
603	US	NH
604	Canada	British Columbia
605	US	SD
606	US	KY
607	US	NY
608	US	WI
609	US	NJ
610	US	PA
612	US	MN
613	Canada	Ontario
614	US	OH
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
657	US	CA
661	US	CA
662	US	MS
664	Montserrat	Montserrat
670	US	CNMI
671	US	Guam
678	US	GA

## ATTACHMENT 3 (continued)

NPA	Country	Location
681	US	WV
682	US	TX
684	US	American Samoa
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
710	US	US
712	US	IA
713	US	TX
714	US	CA
715	US	WI
716	US	NY
717	US	PA
718	US	NY
719	US	CO
720	US	CO
724	US	PA
727	US	FL
731	US	TN
732	US	NJ
734	US	MI
740	US	OH
747	US	CA
754	US	FL
757	US	VA
758	St. Lucia	St. Lucia
760	US	CA
762	US	GA
763	US	MN
765	US	IN
767	Dominica	Dominica
769	US	MS
770	US	GA
772	US	FL
773	US	IL
774	US	MA
775	US	NV
778	Canada	British Columbia
779	US	IL
780	Canada	Alberta
781	US	MA
784	St. Vincent & Grenadines	St. Vincent & Grenadines
785	US	KS

NPA	Country	Location
786	US	FL
787	US	Puerto Rico
801	US	UT
802	US	VT
803	US	SC
804	US	VA
805	US	CA
806	US	TX
807	Canada	Ontario
808	US	HI
809	Dominican Republic	Dominican Republic
810	US	MI
812	US	IN
813	US	FL
814	US	PA
815	US	IL
816	US	MO
817	US	TX
818	US	CA
819	Canada	Quebec
828	US	NC
829	Dominican Republic	Dominican Republic
830	US	TX
831	US	CA
832	US	TX
843	US	SC
845	US	NY
847	US	IL
848	US	NJ
849	Dominican Republic	Dominican Republic
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
872	US	IL
876	Jamaica	Jamaica
878	US	PA
901	US	TN
902	Canada	Nova Scotia

## ATTACHMENT 3 (continued)

NPA	Country	Location
903	US	TX
904	US	FL
905	Canada	Ontario
906	US	MI
907	US	AK
908	US	NJ
909	US	CA
910	US	NC
912	US	GA
913	US	KS
914	US	NY
915	US	TX
916	US	CA
917	US	NY
918	US	OK
919	US	NC
920	US	WI
925	US	CA
928	US	AZ
931	US	TN

NPA	Country	Location
936	US	TX
937	US	OH
939	US	Puerto Rico
940	US	TX
941	US	FL
947	US	MI
949	US	CA
951	US	CA
952	US	MN
954	US	FL
956	US	TX
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, 2009.

## ATTACHMENT 4 — NON-GEOGRAPHIC NPAs IN SERVICE

The table below lists the non-geographic NPAs in service as of December 31, 2009, along with the service for which each is used.

NPA	Service
456	Inbound International
500	Personal Communications Service
533	Personal Communications
600	Canadian Services
700	Interexchange Carrier Services
710	US Government
800	Toll-Free
866	Toll-Free
877	Toll-Free
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.

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.

500 and 533 numbers were intended to be used for "follow me" personal communications services. Personal communications service is defined more formally as a set of capabilities that allows some combination of personal mobility, terminal mobility and service profile management. NPA 533 was assigned in relief of NPA 500 in January 2008. The first assignment from this area code occurred in September 2009.

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.

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

## ATTACHMENT 5 — DIALING PLANS

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
AK	907	7D	1+10D	1+10D	1+10D	
AL	205	7D	1+10D	10D	1+10D	
AL	251	7D	1+10D	10D	1+10D	1
AL	256	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	
AS	684	7D	NA	NA	1+10D	
AZ	480	7D	1+10D	10D	1+10D	
AZ	520	7D	1+10D	10D	1+10D	
AZ	602	7D	1+10D	10D	1+10D	
AZ	623	7D	1+10D	10D	1+10D	
AZ	928	7D	1+10D	10D	1+10D	
CA	209	7D	7D	1+10D	1+10D	
CA	213	7D	7D	1+10D	1+10D	
CA	310	1+10D	1+10D	1+10D	1+10D	
CA	323	7D	7D	1+10D	1+10D	
CA	408	7D	7D	1+10D	1+10D	
CA	415	7D	7D	1+10D	1+10D	
CA	424	1+10D	1+10D	1+10D	1+10D	
CA	442	1+10D	1+10D	1+10D	1+10D	
CA	510	7D	7D	1+10D	1+10D	
CA	530	7D	7D	1+10D	1+10D	
CA	559	7D	7D	1+10D	1+10D	
CA	562	7D	7D	1+10D	1+10D	
CA	619	7D	7D	1+10D	1+10D	
CA	626	7D	7D	1+10D	1+10D	
CA	650	7D	7D	1+10D	1+10D	
CA	657	1+10D	1+10D	1+10D	1+10D	
CA	707	7D	7D	1+10D	1+10D	
CA	714	1+10D	1+10D	1+10D	1+10D	
CA	747	1+10D	1+10D	1+10D	1+10D	
CA	760	1+10D	1+10D	1+10D	1+10D	
CA	805	7D	7D	1+10D	1+10D	
CA	818	1+10D	1+10D	1+10D	1+10D	
CA	831	7D	7D	1+10D	1+10D	
CA	858	7D	7D	1+10D	1+10D	
CA	909	7D	7D	1+10D	1+10D	
CA	916	7D	7D	1+10D	1+10D	
CA	925	7D	7D	1+10D	1+10D	
CA	949	7D	7D	1+10D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
CA	951	7D	7D	1+10D	1+10D	
CNMI	670	7D	1+10D	NA	1+10D	
CO	303	10D	1+10D	10D	1+10D	
CO	719	7D	1+10D	10D	1+10D	
CO	720	10D	1+10D	10D	1+10D	
CO	970	7D	1+10D	10D	1+10D	
CT	203	7D	1+10D	10D	1+10D	
CT	475	10D	1+10D	10D	1+10D	
CT	860	10D	1+10D	10D	1+10D	
DC	202	7D	NA	10D	1+10D	
DE	302	7D	1+10D	10D	1+10D	
FL	239	7D	1+10D	10D	1+10D	
FL	305	10D	1+10D	10D	1+10D	2
FL	321	10D	1+10D	10D	1+10D	3
FL	352	7D	1+10D	10D	1+10D	
FL	386	7D	1+10D	10D	1+10D	
FL	407	10D	1+10D	10D	1+10D	
FL	561	7D	1+10D	10D	1+10D	4
FL	727	7D	1+10D	10D	1+10D	
FL	754	10D	1+10D	10D	1+10D	
FL	772	7D	1+10D	10D	1+10D	5
FL	786	10D	1+10D	10D	1+10D	
FL	813	7D	1+10D	10D	1+10D	
FL	850	7D	1+10D	10D	1+10D	
FL	863	7D	1+10D	10D	1+10D	
FL	904	7D	1+10D	10D	1+10D	
FL	941	7D	1+10D	10D	1+10D	
FL	954	10D	1+10D	10D	1+10D	
GA	229	7D	1+10D	10D	1+10D	
GA	404	10D	1+10D	10D	1+10D	
GA	478	7D	1+10D	10D	1+10D	
GA	678	10D	1+10D	10D	1+10D	
GA	706	10D	1+10D	10D	1+10D	
GA	762	10D	1+10D	10D	1+10D	
GA	770	10D	1+10D	10D	1+10D	
GA	912	7D	1+10D	10D	1+10D	
GU	671	7D	1+10D	NA	1+10D	
HI	808	7D	1+10D	NA	1+10D	
IA	319	7D	1+10D	10D	1+10D	
IA	515	7D	1+10D	10D	1+10D	
IA	563	7D	1+10D	10D	1+10D	
IA	641	7D	1+10D	10D	1+10D	
IA	712	7D	1+10D	10D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
ID	208	7D	1+10D	7D	1+10D	
IL	217	7D	1+10D	1+10D	1+10D	
IL	224	1+10D	1+10D	1+10D	1+10D	
IL	309	7D	1+10D	1+10D	1+10D	
IL	312	1+10D	1+10D	1+10D	1+10D	
IL	331	1+10D	1+10D	1+10D	1+10D	
IL	618	7D	1+10D	1+10D	1+10D	
IL	630	1+10D	1+10D	1+10D	1+10D	
IL	708	7D	1+10D	1+10D	1+10D	
IL	773	1+10D	1+10D	1+10D	1+10D	
IL	779	1+10D	1+10D	1+10D	1+10D	
IL	815	1+10D	1+10D	1+10D	1+10D	
IL	847	1+10D	1+10D	1+10D	1+10D	
IL	872	1+10D	1+10D	1+10D	1+10D	
IN	219	7D	1+10D	10D	1+10D	
IN	260	7D	1+10D	10D	1+10D	
IN	317	7D	1+10D	10D	1+10D	
IN	574	7D	1+10D	10D	1+10D	
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	6
KY	859	7D	1+10D	10D	1+10D	6
LA	225	7D	1+10D	10D	1+10D	
LA	318	7D	1+10D	10D	1+10D	
LA	337	7D	1+10D	10D	1+10D	
LA	504	7D	1+10D	10D	1+10D	
LA	985	7D	1+10D	10D	1+10D	
MA	339	10D	1+10D	10D	1+10D	
MA	351	10D	1+10D	10D	1+10D	
MA	413	7D	1+10D	10D	1+10D	
MA	508	10D	1+10D	10D	1+10D	
MA	617	10D	1+10D	10D	1+10D	
MA	774	10D	1+10D	10D	1+10D	
MA	781	10D	1+10D	10D	1+10D	
MA	857	10D	1+10D	10D	1+10D	
MA	978	10D	1+10D	10D	1+10D	
MD	240	10D	1+10D	10D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
MD	301	10D	1+10D	10D	1+10D	
MD	410	10D	1+10D	10D	1+10D	
MD	443	10D	1+10D	10D	1+10D	
ME	207	7D	7D	1+10D	1+10D	
MI	231	7D	1+10D	10D	1+10D	
MI	248	10D	1+10D	10D	1+10D	
MI	269	7D	1+10D	10D	1+10D	
MI	313	7D	1+10D	10D	1+10D	
MI	517	7D	1+10D	10D	1+10D	
MI	586	7D	1+10D	10D	1+10D	
MI	616	7D	1+10D	10D	1+10D	
MI	734	7D	1+10D	10D	1+10D	
MI	810	7D	1+10D	10D	1+10D	
MI	906	7D	1+10D	10D	1+10D	
MI	947	10D	1+10D	10D	1+10D	
MI	989	7D	1+10D	10D	1+10D	
MN	218	7D	1+10D	7D	1+10D	
MN	320	7D	1+10D	7D	1+10D	
MN	507	7D	1+10D	7D	1+10D	
MN	612	7D	1+10D	10D	1+10D	
MN	651	7D	1+10D	10D	1+10D	
MN	763	7D	1+10D	10D	1+10D	
MN	952	7D	1+10D	10D	1+10D	
MO	314	7D	1+10D	10D	1+10D	
MO	417	7D	1+10D	10D	1+10D	
MO	573	7D	1+10D	10D	1+10D	
MO	636	7D	1+10D	10D	1+10D	
MO	660	7D	1+10D	10D	1+10D	
MO	816	7D	1+10D	10D	1+10D	
MS	228	7D	1+10D	10D	1+10D	
MS	601	10D	1+10D	10D	1+10D	
MS	662	7D	1+10D	10D	1+10D	
MS	769	10D	1+10D	10D	1+10D	
MT	406	7D	1+10D	7D	1+10D	
NC	252	7D	1+10D	10D	1+10D	
NC	336	7D	1+10D	10D	1+10D	
NC	704	10D	1+10D	10D	1+10D	
NC	828	7D	1+10D	10D	1+10D	
NC	910	7D	1+10D	10D	1+10D	
NC	919	7D	1+10D	10D	1+10D	
NC	980	10D	1+10D	10D	1+10D	
ND	701	7D	1+10D	7D	1+10D	
NE	308	7D	1+10D	7D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
NE	402	7D	1+10D	7D	1+10D	
NH	603	7D	7D	1+10D	1+10D	
NJ	201	10D	10D	1+10D	1+10D	7
NJ	551	10D	10D	1+10D	1+10D	7
NJ	609	7D	7D	1+10D	1+10D	
NJ	732	10D	10D	1+10D	1+10D	8
NJ	848	10D	10D	1+10D	1+10D	8
NJ	856	7D	7D	1+10D	1+10D	
NJ	862	10D	10D	1+10D	1+10D	9
NJ	908	7D	7D	1+10D	1+10D	
NJ	973	10D	10D	1+10D	1+10D	9
NM	505	7D	1+10D	10D	1+10D	
NM	575	7D	1+10D	10D	1+10D	
NV	702	7D	1+10D	10D	1+10D	
NV	775	7D	1+10D	10D	1+10D	
NY	212	1+10D	1+10D	1+10D	1+10D	
NY	315	7D	7D	1+10D	1+10D	
NY	347	1+10D	1+10D	1+10D	1+10D	
NY	516	7D	7D	1+10D	1+10D	
NY	518	7D	7D	1+10D	1+10D	
NY	585	7D	7D	1+10D	1+10D	
NY	607	7D	7D	1+10D	1+10D	
NY	631	7D	7D	1+10D	1+10D	
NY	646	1+10D	1+10D	1+10D	1+10D	
NY	716	7D	7D	1+10D	1+10D	
NY	718	1+10D	1+10D	1+10D	1+10D	
NY	845	7D	7D	1+10D	1+10D	
NY	914	7D	7D	1+10D	1+10D	
NY	917	1+10D	1+10D	1+10D	1+10D	
OH	216	7D	1+10D	10D	1+10D	10
OH	234	10D	1+10D	10D	1+10D	10
OH	330	10D	1+10D	10D	1+10D	10
OH	419	10D	1+10D	10D	1+10D	10
OH	440	7D	1+10D	10D	1+10D	10
OH	513	7D	1+10D	10D	1+10D	10
OH	567	10D	1+10D	10D	1+10D	10
OH	614	7D	1+10D	10D	1+10D	10
OH	740	7D	1+10D	10D	1+10D	10
OH	937	7D	1+10D	10D	1+10D	10
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	10D	1+10D	10D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
OR	541	7D	1+10D	10D	1+10D	
OR	971	10D	1+10D	10D	1+10D	
PA	215	10D	10D	(see note)	1+10D	11
PA	267	10D	10D	(see note)	1+10D	11
PA	412	10D	10D	(see note)	(see note)	12
PA	484	10D	10D	(see note)	1+10D	11
PA	570	7D	7D	1+10D	1+10D	
PA	610	10D	10D	(see note)	1+10D	11
PA	717	7D	7D	1+10D	1+10D	
PA	724	10D	10D	(see note)	(see note)	12
PA	814	7D	7D	1+10D	1+10D	
PA	878	10D	10D	(see note)	(see note)	12
Puerto Rico	787	10D	1+10D	10D	1+10D	
Puerto Rico	939	10D	1+10D	10D	1+10D	
RI	401	7D	7D	1+10D	1+10D	
SC	803	7D	1+10D	10D	1+10D	
SC	843	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	13
TN	865	7D	1+10D	10D	1+10D	
TN	901	7D	1+10D	10D	1+10D	
TN	931	7D	1+10D	7D	1+10D	
TX	210	7D	1+10D	10D	1+10D	
TX	214	10D	1+10D	10D	1+10D	
TX	254	7D	1+10D	10D	1+10D	
TX	281	10D	1+10D	10D	1+10D	
TX	325	7D	1+10D	10D	1+10D	
TX	361	7D	1+10D	10D	1+10D	
TX	409	7D	1+10D	10D	1+10D	
TX	430	10D	1+10D	10D	1+10D	
TX	432	7D	1+10D	10D	1+10D	
TX	469	10D	1+10D	10D	1+10D	
TX	512	7D	1+10D	10D	1+10D	
TX	682	10D	1+10D	10D	1+10D	
TX	713	10D	1+10D	10D	1+10D	
TX	806	7D	1+10D	10D	1+10D	
TX	817	10D	1+10D	10D	1+10D	
TX	830	7D	1+10D	10D	1+10D	
TX	832	10D	1+10D	10D	1+10D	
TX	903	10D	1+10D	10D	1+10D	

## ATTACHMENT 5 (continued)

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
TX	915	7D	1+10D	10D	1+10D	
TX	936	7D	1+10D	10D	1+10D	
TX	940	7D	1+10D	10D	1+10D	
TX	956	7D	1+10D	10D	1+10D	
TX	972	10D	1+10D	10D	1+10D	
TX	979	7D	1+10D	10D	1+10D	
USVI	340	7D	1+10D	NA	1+10D	
UT	385	10D	1+10D	10D	1+10D	
UT	435	7D	1+10D	7D	1+10D	
UT	801	10D	1+10D	10D	1+10D	
VA	276	7D	1+10D	10D	1+10D	
VA	434	7D	1+10D	10D	1+10D	
VA	540	7D	1+10D	10D	1+10D	
VA	571	10D	1+10D	10D	1+10D	
VA	703	10D	1+10D	10D	1+10D	
VA	757	7D	1+10D	10D	1+10D	
VA	804	7D	1+10D	10D	1+10D	
VT	802	7D	1+10D	1+10D	1+10D	
WA	206	7D	1+10D	10D	1+10D	
WA	253	7D	1+10D	10D	1+10D	
WA	360	7D	1+10D	10D	1+10D	
WA	425	7D	1+10D	10D	1+10D	
WA	509	7D	1+10D	10D	1+10D	
WI	262	7D	1+10D	1+10D	1+10D	
WI	414	7D	1+10D	1+10D	1+10D	
WI	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	10D	1+10D	10D	1+10D	
WV	681	10D	1+10D	10D	1+10D	
WY	307	7D	1+10D	7D	1+10D	

### Notes:

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

## ATTACHMENT 6 – 2009 NRUF AND NPA EXHAUST ANALYSIS

NANPA projects NPA exhaust on a semi-annual basis. These projections were produced in April and October 2009. The tables below show the current quarter/year in which each NPA is projected to exhaust, based on analysis performed in October 2009. The table also provides forecasted NPA exhaust information from previous exhaust projections developed by NANPA. The current forecast is based on NRUF data as

it existed on October 1, 2009 for the US and January 1, 2009 for Canada, except where noted. Forecasts marked “R” are based on rationed assignment limits. The change between the current and previous forecasts is given in quarters. A positive number indicates that the exhaust date has moved out to a later date. A negative number indicates that the exhaust is now projected to occur sooner than previously expected.

### NPA exhaust forecasts sorted by area code:

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
New Jersey	201/551	2043		1Q	2042		1Q	2042		1Q	2037		2Q	2033		4Q	2037		4Q	+4Q	a
District of Columbia	202	2019		3Q	2020		1Q	2021		1Q	2022		4Q	2022		4Q	2019		1Q	-2Q	
Connecticut	203/475				2010		2Q	2010		2Q	2010		2Q	2009		4Q	2009		1Q		f, o
Canada	204	2016		4Q	2011		1Q	2021		4Q	2021		4Q				2016		1Q	+23Q	c
Alabama	205	2013		3Q	2013		1Q	2012		4Q	2013		3Q	2014		2Q	2013		2Q	+2Q	
Washington	206	2021		2Q	2020		4Q	2020		3Q	2023		2Q	2021		4Q	2023		1Q	+2Q	
Maine	207	2015		2Q	2014		4Q	2013		3Q	+2Q										
Idaho	208	2014		1Q	2013		2Q	2012		2Q	2012		1Q	2011		3Q	2011		2Q	+3Q	a
California	209	2022		4Q	2022		3Q	2021		3Q	2021		3Q	2020		4Q	2020		2Q	+1Q	
Texas	210	2017		2Q	2016		3Q	2015		3Q	2015		1Q	2015		1Q	2015		1Q	+3Q	a
New York	212/646	2015		2Q	2014		4Q	2014		2Q	2014		2Q	2013		3Q	2011		3Q	+2Q	
California	213	2038		3Q	2038		1Q	2037		3Q	2036		4Q	2033		3Q	2033		2Q	+2Q	
Texas	214/972/469	2019		3Q	2018		3Q	2018		1Q	2017		3Q	2016		2Q	2015		4Q	+4Q	a
Pennsylvania	215/267	2014		3Q	2014		3Q	2014		3Q	2014		2Q	2013		3Q	2013		3Q	N/C	
Ohio	216	2032		4Q	2032		3Q	2027		4Q	2027		1Q	2025		2Q	2024		4Q	+1Q	
Illinois	217	2012		4Q	2012		2Q	2011		4Q	2011		2Q	2010		3Q	2009		3Q	+2Q	
Minnesota	218	2017		2Q	2017		1Q	2017		1Q	2017		1Q	2016		2Q	2016		4Q	+1Q	
Indiana	219	2031		2Q	2030		3Q	2030		3Q	2029		4Q	2027		2Q	2025		4Q	+3Q	a
Louisiana	225	2029		4Q	2029		3Q	2029		1Q	2028		3Q	2026		2Q	2023		2Q	+1Q	
Mississippi	228	2042		1Q	2039		3Q	2039		1Q	2038		3Q	2036		2Q	2034		1Q	+10Q	a
Georgia	229	2015		2Q	2014		2Q	2013		1Q	2015		3Q	2020		4Q	2019		4Q	+4Q	a
Michigan	231	2031		4Q	2030		3Q	2026		2Q	2026		2Q	2022		3Q	2021		1Q	+5Q	a
Florida	239	2030		4Q	2029		3Q	2029		2Q	2027		4Q	2025		3Q	2024		2Q	+5Q	a
Michigan	248/947	2037		3Q	2036		1Q	2035		3Q	2032		1Q	2030		1Q	2026		3Q	+6Q	a
Canada	250/778	2018		4Q	2018		4Q	2007		4Q	2007		4Q	2008		1Q	2010		2Q	N/C	c, n
Alabama	251	2028		3Q	2028		1Q	2026		4Q	2026		2Q	2026		1Q	2025		4Q	+2Q	
North Carolina	252	2016		3Q	2016		1Q	2015		3Q	2016		3Q	2017		2Q	2017		1Q	+2Q	
Washington	253	2028		2Q	2026		3Q	2025		2Q	2025		1Q	2023		1Q	2022		3Q	+7Q	a
Texas	254	2021		1Q	2020		3Q	2018		2Q	2017		4Q	2017		3Q	2017		3Q	+2Q	
Alabama	256	2011	R	2Q	2010	R	4Q	2010	R	4Q	2010		4Q	2010		3Q	2010		3Q	+2Q	l
Indiana	260	2030		3Q	2030		2Q	2028		2Q	2025		4Q	2024		3Q	2024		1Q	+1Q	
Wisconsin	262	2023		1Q	2022		4Q	2020		2Q	2018		2Q	2017		4Q	2017		2Q	+1Q	
Michigan	269	2025		4Q	2025		3Q	2023		2Q	2023		1Q	2022		4Q	2022		2Q	+1Q	
Canada	250/778/604	2019		4Q	2019		4Q	2018		4Q	2018		4Q	2007		4Q	2007		4Q	N/C	c
Alabama	251	2029		2Q	2029		2Q	2028		3Q	2028		1Q	2026		4Q	2026		2Q	N/C	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
North Carolina	252	2019		2Q	2019		1Q	2016		3Q	2016		1Q	2015		3Q	2016		3Q	+1Q	
Washington	253	2029		4Q	2028		3Q	2028		2Q	2026		3Q	2025		2Q	2025		1Q	+5Q	a
Texas	254	2022		4Q	2022		2Q	2021		1Q	2020		3Q	2018		2Q	2017		4Q	+2Q	
Alabama	256	2012	R	1Q	2011	R	3Q	2011	R	2Q	2010	R	4Q	2010	R	4Q	2010		4Q	+2Q	l
Indiana	260	2034		4Q	2032		3Q	2030		3Q	2030		2Q	2028		2Q	2025		4Q	+9Q	a
Wisconsin	262	2026		1Q	2024		4Q	2023		1Q	2022		4Q	2020		2Q	2018		2Q	+5Q	a
Michigan	269	2028		2Q	2028		1Q	2025		4Q	2025		3Q	2023		2Q	2023		1Q	+1Q	
Kentucky	270	2012		4Q	2012	R	2Q	2011	R	2Q	2010	R	3Q	2009	R	2Q	2008	R	4Q	+2Q	l
Virginia	276	2050		3Q	2050		2Q	2050		1Q	2049		4Q	2045		4Q	2039		4Q	+1Q	
Canada	289/905	2016		4Q	2028		3Q	2024		3Q	2014		3Q				2016		2Q	-47Q	c
Maryland	301/240	2021		2Q	2022		3Q	2022		2Q	2021		3Q	2015		3Q	2014		3Q	-5Q	b
Delaware	302	2025		3Q	2025		2Q	2025		1Q	2024		4Q	2021		3Q	2021		1Q	+1Q	
Colorado	303/720	2025		4Q	2025		2Q	2025		2Q	2025		2Q	2022		4Q	2022		2Q	+2Q	
West Virginia	304/681	2035		2Q	2035		1Q	2035		1Q	2009		1Q	2008		4Q	2008		3Q	+1Q	
Florida	305/786	2023		4Q	2022		4Q	2021		3Q	2020		4Q	2019		3Q	2019		1Q	+4Q	a
Florida	305A	2015		3Q	2012		4Q	2012		2Q	2011		2Q	2010		2Q	2009		2Q	+11Q	a, h
Canada	306	2022		4Q	2022		4Q	2023		4Q	2023		4Q				2019		4Q	N/C	c
Wyoming	307	2026		3Q	2026		1Q	2026		1Q	2025		1Q	2025		1Q	2024		1Q	+2Q	
Nebraska	308	2033		2Q	2033		2Q	2031		2Q	2030		4Q	2030		3Q	2029		3Q	N/C	
Illinois	309	2016		1Q	2015		2Q	2014		3Q	2013		4Q	2012		4Q	2011		3Q	+3Q	a
California	310/424	2026		3Q	2025		3Q	2023		2Q	2022		4Q	2021		4Q	2021		3Q	+4Q	a
Illinois	312				2017		4Q	2017		3Q	2017		3Q	2016		3Q	2015		4Q		m
Illinois	312/773/872	2029		2Q																	f, m
Michigan	313	2019		3Q	2018		4Q	2018		2Q	2017		2Q	2015		4Q	2015		4Q	+3Q	a
Missouri	314	2019		2Q	2018		1Q	2017		3Q	2017		4Q	2015		4Q	2015		2Q	+5Q	a
New York	315	2013		4Q	2013		1Q	2012		1Q	2011		1Q	2010		3Q	2010		3Q	+3Q	a
Kansas	316	2040		2Q	2037		4Q	2037		3Q	2037		1Q	2034		4Q	2031		3Q	+10Q	a
Indiana	317	2015		4Q	2015		1Q	2014		1Q	2013		4Q	2013		3Q	2013		1Q	+3Q	a
Louisiana	318	2017		2Q	2016		4Q	2016		1Q	2015		4Q	2014		2Q	2013		2Q	+2Q	
Iowa	319	2021		2Q	2020		2Q	2018		4Q	2017		3Q	2016		4Q	2021		4Q	+4Q	a
Minnesota	320	2025		1Q	2024		3Q	2024		3Q	2024		3Q	2020		3Q	2019		3Q	+2Q	
Florida	321A	2032		1Q	2031		3Q	2031		2Q	2029		2Q	2029		1Q	2026		3Q	+2Q	g
California	323	2013		4Q	2013		1Q	2012		2Q	2012		1Q	2012		3Q	2013		2Q	+3Q	a
Texas	325	2033		3Q	2031		4Q	2029		2Q	2028		4Q	2026		3Q	2023		3Q	+7Q	a
Ohio	330/234	2031		4Q	2031		2Q	2031		1Q	2030		3Q	2028		4Q	2028		3Q	+2Q	
Alabama	334	2015		1Q	2014		2Q	2013		4Q	2013		4Q	2013		2Q	2012		4Q	+3Q	a
North Carolina	336	2014		2Q	2014		2Q	2013		3Q	2013		1Q	2012		3Q	2012		1Q	N/C	
Louisiana	337	2019		4Q	2018		3Q	2018		1Q	2017		3Q	2016		4Q	2015		4Q	+5Q	a
Virgin Islands	340				2131		4Q	2131		2Q	2131		1Q	2130		3Q	2130		3Q		o
Florida	352	2021		2Q	2020		4Q	2020		1Q	2019		3Q	2018		2Q	2017		2Q	+2Q	
Washington	360	2012		4Q	2012		2Q	2012		2Q	2011		4Q	2011		3Q	2010		4Q	+2Q	
Texas	361	2018		4Q	2017		4Q	2016		3Q	2016		1Q	2015		4Q	2015		2Q	+4Q	a
Florida	386	2029		4Q	2029		3Q	2029		1Q	2028		3Q	2028		1Q	2027		3Q	+1Q	
Rhode Island	401	2021		3Q	2021		1Q	2019		4Q	2019		4Q	2018		1Q	2016		4Q	+2Q	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Nebraska	402	2011		3Q	2011		2Q	2010		3Q	2010		2Q	2009		4Q	2009		3Q	+1Q	
Canada	403/587/780	2022		3Q	2022		3Q	2024		4Q	2024		4Q	2008		3Q	2008		4Q	N/C	c
Georgia	404	2015		2Q	2014		3Q	2014		2Q	2014		1Q	2013		2Q	2012		4Q	+3Q	a
Oklahoma	405	2017		2Q	2016		2Q	2015		4Q	2016		2Q	2016		3Q	2015		3Q	+4Q	a
Montana	406	2015		1Q	2013		4Q	2012		4Q	2011		4Q	2011		2Q	2011		1Q	+5Q	a
Florida	407/321	2013		1Q	2012		2Q	2011		3Q	2011		1Q	2010		3Q	2010		1Q	+3Q	a
California	408	2012		4Q	2012		2Q	2012		2Q	2012		1Q	2011		2Q	2010		3Q	+2Q	
Texas	409	2031		3Q	2029		4Q	2028		2Q	2028		3Q	2026		3Q	2024		4Q	+7Q	a
Maryland	410/443	2011		4Q	2011		3Q	2011		2Q	2011		2Q	2010		4Q	2009		4Q	+1Q	
Pennsylvania	412/878/724	2026		3Q	2026		2Q	2026		1Q	2025		4Q	2025		3Q	2025		1Q	+1Q	
Massachusetts	413	2024		3Q	2024		1Q	2023		3Q	2021		3Q	2020		4Q	2019		2Q	+2Q	
Wisconsin	414	2033		1Q	2032		3Q	2032		2Q	2032		1Q	2028		3Q	2025		2Q	+2Q	
California	415	2016		3Q	2016		1Q	2015		2Q	2014		2Q	2013		3Q	2012		3Q	+2Q	
Canada	416/647	2021		4Q	2021		4Q	2017		1Q	2017		1Q				2017		2Q	N/C	c
Missouri	417	2015		3Q	2013		2Q	2012		3Q	2011		4Q	2011		3Q	2011		1Q	+9Q	a
Canada	418/581									2008		4Q	2008		3Q	2007		4Q			c, d
Ohio	419/567	2025		3Q	2024		3Q	2023		1Q	2022		3Q	2021		2Q	2020		3Q	+4Q	a
Tennessee	423	2018		1Q	2017		3Q	2017		1Q	2016		4Q	2016		2Q	2015		3Q	+2Q	
Washington	425	2031		3Q	2030		4Q	2030		3Q	2031		1Q	2031		1Q	2027		3Q	+3Q	a
Texas	432	2037		1Q	2036		3Q	2033		1Q	2032		4Q	2029		4Q	2028		1Q	+2Q	
Virginia	434	2035		4Q	2036		3Q	2036		3Q	2033		3Q	2032		2Q	2029		4Q	-3Q	b
Utah	435	2031		2Q	2030		3Q	2030		2Q	2026		2Q	2024		4Q	2023		3Q	+3Q	a
Ohio	440	2020		2Q	2019		3Q	2018		1Q	2017		4Q	2017		3Q	2016		3Q	+3Q	a
Canada	450	2010		4Q	2010		4Q	2012		3Q	2014		4Q	2013		4Q	2012		4Q	N/C	
Georgia	478	2030		4Q	2030		2Q	2028		3Q	2029		2Q	2029		3Q	2029		2Q	+2Q	
Arkansas	479	2030		4Q	2029		1Q	2028		3Q	2028		2Q	2026		4Q	2026		3Q	+7Q	a
Arizona	480	2023		1Q	2022		1Q	2021		3Q	2021		3Q	2020		4Q	2020		4Q	+4Q	a
Arkansas	501	2026		1Q	2025		3Q	2023		1Q	2022		1Q	2020		4Q	2020		2Q	+2Q	
Kentucky	502	2022		2Q	2021		1Q	2019		3Q	2018		3Q	2017		3Q	2017		1Q	+5Q	a
Oregon	503/971	2034		2Q	2034		2Q	2033		4Q	2032		2Q	2029		3Q	2028		3Q	N/C	j
Oregon	503A													2008		4Q	2008		4Q		j
Louisiana	504	2028		1Q	2027		4Q	2026		1Q	2024		3Q	2023		3Q	2022		2Q	+1Q	
New Mexico	505	2023		2Q	2023		1Q	2022		4Q	2009		1Q	2009		1Q	2009		1Q	+1Q	
Canada	506							2027		1Q	2027		1Q				2021		1Q		c, d
Minnesota	507	2015		3Q	2015		1Q	2014		1Q	2013		3Q	2012		3Q	2012		1Q	+2Q	
Massachusetts	508/774	2020		3Q	2020		1Q	2019		1Q	2018		1Q	2016		3Q	2015		1Q	+2Q	
Washington	509	2016		1Q	2015		1Q	2014		2Q	2014		1Q	2013		1Q	2012		3Q	+4Q	a
California	510	2014	R	4Q	2014	R	2Q	2013	R	4Q	2013	R	3Q	2013	R	1Q	2012	R	3Q	+2Q	l
Texas	512	2014		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	2011		1Q	+Q6	a
Ohio	513	2020		1Q	2018		3Q	2017		3Q	2016		3Q	2015		4Q	2015		1Q	+6Q	a
Canada	514/438																				c, d
Iowa	515	2024		3Q	2024		1Q	2021		2Q	2019		4Q	2016		3Q	2017		3Q	+2Q	
New York	516	2018		2Q	2017		3Q	2016		3Q	2015		4Q	2014		4Q	2013		4Q	+3Q	a
Michigan	517	2020		2Q	2019		4Q	2018		4Q	2017		4Q	2016		3Q	2015		3Q	+2Q	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
New York	518	2015		3Q	2015		1Q	2014		3Q	2013		3Q	2012		4Q	2012		2Q	+2Q	
Canada	519/226	2019		2Q				2021		1Q	N/C	c									
Arizona	520	2027		3Q	2027		2Q	2025		4Q	2025		3Q	2025		1Q	2025		1Q	+1Q	
California	530	2017		2Q	2016		4Q	2016		2Q	2015		4Q	2015		4Q	2015		1Q	+2Q	
Virginia	540	2016		4Q	2017		3Q	2017		3Q	2017		3Q	2016		1Q	2015		1Q	-3Q	b
Oregon	541/458	2031		1Q	2010		2Q	2010		4Q	2011		1Q	2011		1Q	2010		4Q	+83Q	f
California	559	2018	R	4Q	2018	R	2Q	2017	R	3Q	2017	R	1Q	2016	R	3Q	2016	R	2Q	+2Q	l
Florida	561	2022		1Q	2021		3Q	2021		2Q	2019		3Q	2018		1Q	2017		4Q	+2Q	
California	562	2023		4Q	2023		2Q	2022		1Q	2021		3Q	2020		2Q	2020		2Q	+2Q	
Iowa	563	2034		1Q	2031		1Q	2028		3Q	2027		4Q	2027		3Q	2025		1Q	+12Q	a
Pennsylvania	570	2011		3Q	2011		3Q	2012		2Q	2011		4Q	2011		3Q	2011		2Q	N/C	l
Missouri	573	2016		3Q	2015		2Q	2013		4Q	2012		3Q	2012		1Q	2011		3Q	+5Q	a
Indiana	574	2035		4Q	2035		2Q	2034		4Q	2034		2Q	2028		4Q	2026		3Q	+2Q	
New Mexico	575	2027		3Q	2027		3Q	2027		2Q										N/C	
Oklahoma	580	2015		2Q	2014		4Q	2013		4Q	2012		3Q	2012		1Q	2011		1Q	+2Q	
New York	585	2023		2Q	2022		4Q	2020		1Q	2019		1Q	2017		4Q	2017		4Q	+2Q	
Michigan	586	2031		3Q	2031		3Q	2027		4Q	2026		4Q	2025		4Q	2024		1Q	N/C	
Mississippi	601/769	2034		2Q	2033		4Q	2033		2Q	2032		4Q	2030		4Q	2030		2Q	+2Q	
Arizona	602	2023		2Q	2021		4Q	2019		4Q	2019		4Q	2018		3Q	2018		3Q	+6Q	a
New Hampshire	603	2012		2Q	2011		4Q	2011		2Q	2011		1Q	2010		4Q	2010		2Q	+2Q	
Canada	604/778							2018		4Q				2011		3Q					c, n
South Dakota	605	2018		4Q	2018		1Q	2016		3Q	2015		4Q	2014		4Q	2014		1Q	+3Q	a
Kentucky	606	2021		2Q	2020		4Q	2019		4Q	2018		4Q	2018		4Q	2017		4Q	+2Q	
New York	607	2026		1Q	2025		4Q	2023		1Q	2020		3Q	2020		2Q	2021		4Q	+1Q	
Wisconsin	608	2018		4Q	2017		4Q	2017		1Q	2016		4Q	2016		3Q	2015		4Q	+4Q	a
New Jersey	609	2013		4Q	2013		3Q	2013		2Q	2013		2Q	2012		3Q	2011		2Q	+1Q	
Pennsylvania	610/484	2013		4Q	2013		3Q	2013		2Q	2012		4Q	2012		3Q	2012		3Q	+1Q	
Minnesota	612	2031		3Q	2029		3Q	2026		2Q	2026		2Q	2024		3Q	2024		1Q	+8Q	a
Canada	613/343							2011		4Q	2011		3Q	2011		3Q	2012		2Q		c, d
Ohio	614	2018		1Q	2017		1Q	2017		1Q	2016		1Q	2016		1Q	2015		4Q	+4Q	a
Tennessee	615	2013		4Q	2013		4Q	2013		3Q	2013		2Q	2013		1Q	2012		4Q	N/C	
Michigan	616	2027		2Q	2026		4Q	2026		2Q	2024		1Q	2023		1Q	2021		2Q	+2Q	
Massachusetts	617/857	2031		4Q	2031		3Q	2031		1Q	2030		4Q	2026		3Q	2025		4Q	+1Q	
Illinois	618	2013		2Q	2012		4Q	2012		1Q	2011		2Q	2010		3Q	2010		1Q	+2Q	
California	619	2016		2Q	2015		4Q	2014		4Q	2014		2Q	2013		3Q	2013		2Q	+2Q	
Kansas	620	2017		2Q	2015		4Q	2015		4Q	2015		4Q	2014		2Q	2013		4Q	+6Q	a
Arizona	623	2040		1Q	2039		3Q	2036		3Q	2036		2Q	2035		2Q	2034		4Q	+2Q	
California	626	2020	R	2Q	2019	R	4Q	2019	R	1Q	2018	R	4Q	2018	R	4Q	2017	R	4Q	+2Q	l
Illinois	630/331	2036		2Q	2035		2Q	2035		2Q	2035		1Q	2032		3Q	2007		2Q	+4Q	a
New York	631	2014		2Q	2014		1Q	2013		4Q	2012		4Q	2012		1Q	2011		2Q	+1Q	
Missouri	636	2032		2Q	2030		3Q	2030		3Q	2029		3Q	2028		1Q	2027		3Q	+7Q	a
Iowa	641	2023		2Q	2021		2Q	2020		2Q	2018		3Q	2016		4Q	2017		3Q	+8Q	a
California	650	2022		1Q	2021		4Q	2021		4Q	2019		2Q	2017		3Q	2015		4Q	+1Q	
Minnesota	651	2030		1Q	2028		3Q	2026		1Q	2025		3Q	2025		3Q	2025		3Q	+6Q	a

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
Missouri	660	2020		4Q	2019		3Q	2018		3Q	2017		3Q	2016		3Q	2015		3Q	+5Q	a
California	661	2023		1Q	2022		4Q	2021		3Q	2020		3Q	2017		4Q	2016		4Q	+1Q	
Mississippi	662	2013		3Q	2012		4Q	2012		2Q	2011		4Q	2011		1Q	2010		2Q	+3Q	a
CNMI	670				2322		3Q	2322		4Q	2322		2Q	2320		3Q	2320		1Q		o
Guam	671				2202		4Q	2299		4Q	2299		2Q	2297		3Q	2297		1Q		o
American Samoa	684				2076		3Q		o												
North Dakota	701	2014		3Q	2013		4Q	2013		2Q	2013		2Q	2013		3Q	2013		2Q	+3Q	a
Nevada	702	2014		4Q	2014		1Q	2013		3Q	2013		2Q	2013		2Q	2013		2Q	+3Q	a
Virginia	703/571	2024		1Q	2023		4Q	2023		3Q	2023		1Q	2021		3Q	2020		3Q	+1Q	
North Carolina	704/980	2027		1Q	2026		3Q	2026		2Q	2025		3Q	2024		2Q	2023		4Q	+2Q	
Canada	705	2011		4Q	2012		4Q	2015		1Q	2014		3Q	2015		2Q	2013		1Q	-4Q	c
Georgia	706/762	2028		2Q	2027		2Q	2025		3Q	2025		1Q	2025		2Q	2024		1Q	+4Q	a
California	707	2017		1Q	2016		3Q	2015		4Q	2014		4Q	2014		1Q	2013		2Q	+2Q	
Illinois	708	2013		4Q	2013		2Q	2013		2Q	2012		3Q	2011		4Q	2011		1Q	+2Q	
Canada	709	2030		3Q	2030		3Q	2028		1Q	2028		1Q				2027		1Q	N/C	c
Iowa	712	2022		3Q	2021		3Q	2020		3Q	2019		3Q	2018		1Q	2018		3Q	+4Q	a
Texas	713/281/832	2014		1Q	2013		3Q	2013		2Q	2013		1Q	2012		3Q	2012		2Q	+2Q	
California	714/657	2039		2Q	2038		4Q	2038		3Q	2008		2Q	2008		2Q	2008		2Q	+2Q	
Wisconsin	715	2011		4Q	2011		3Q	2011		3Q	2011		1Q	2010		3Q	2009		4Q	+1Q	
New York	716	2018		3Q	2018		2Q	2017		2Q	2015		4Q	2015		3Q	2015		1Q	+1Q	
Pennsylvania	717	2012		3Q	2012		3Q	2013		3Q	2013		1Q	2013		1Q	2012		1Q	N/C	
New York	718/347	2012		2Q	2011		4Q	2011		4Q	2011		4Q	2011		3Q	2012		3Q	+2Q	
Colorado	719	2023		3Q	2023		1Q	2022		4Q	2021		2Q	2021		2Q	2022		4Q	+2Q	
Florida	727	2029		3Q	2027		4Q	2027		2Q	2026		4Q	2023		3Q	2021		1Q	+7Q	a
Tennessee	731	2030		3Q	2027		4Q	2026		1Q	2024		3Q	2022		4Q	2021		3Q	+11Q	a
New Jersey	732/848	2032		1Q	2031		2Q	2031		1Q	2029		2Q	2027		3Q	2025		1Q	+3Q	a
Michigan	734	2020		2Q	2020		1Q	2017		3Q	2017		1Q	2015		4Q	2015		1Q	+1Q	
Ohio	740	2012		3Q	2012		1Q	2011		3Q	2011		2Q	2010		4Q	2010		2Q	+2Q	
Virginia	757	2015		3Q	2015		3Q	2015		3Q	2013		3Q	2012		4Q	2011		4Q	N/C	
California	760/442	2037		3Q	2009		4Q	2009	R	4Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	+111Q	f
Minnesota	763	2031		3Q	2031		1Q	2030		4Q	2030		2Q	2029		3Q	2029		3Q	+2Q	
Indiana	765	2017		4Q	2017		1Q	2015		3Q	2015		1Q	2014		1Q	2012		4Q	+3Q	a
Georgia	770/678/470	2025		4Q	2025		1Q	2024		4Q	2023		1Q	2021		2Q	2020		3Q	+3Q	a
Florida	772	2037		4Q	2037		2Q	2036		4Q	2034		3Q	2033		3Q	2031		3Q	+2Q	
Illinois	773				2009		3Q	2009		3Q	2009		2Q	2009		1Q	2009		2Q		m
Nevada	775	2027		2Q	2026		4Q	2024		2Q	2022		4Q	2021		4Q	2020		3Q	+2Q	
Massachusetts	781/339	2035		2Q	2034		4Q	2033		2Q	2031		1Q	2029		1Q	2027		1Q	+2Q	
Kansas	785	2015		2Q	2014		1Q	2015		1Q	2016		1Q	2015		1Q	2014		1Q	+5Q	a
Puerto Rico	787/939	2027		3Q	2027		1Q	2027		1Q	2026		3Q	2026		3Q	2026		3Q	+2Q	
Utah	801/385	2034		4Q	2034		4Q	2009		2Q	N/C										
Vermont	802	2018		3Q	2018		3Q	2018		3Q	2016		3Q	2015		3Q	2014		4Q	N/C	
South Carolina	803	2014		2Q	2013		4Q	2013		4Q	2013		3Q	2013		1Q	2012		3Q	+2Q	
Virginia	804	2019		2Q	2019		2Q	2018		2Q	2017		4Q	2016		4Q	2015		4Q	N/C	
California	805	2014		4Q	2014		3Q	2014		1Q	2013		3Q	2012		3Q	2012		1Q	+1Q	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
Texas	806	2017		4Q	2017		2Q	2017		1Q	2017		2Q	2016		2Q	2015		3Q	+2Q	
Canada	807																				c, d
Hawaii	808	2023		4Q	2023		2Q	2023		1Q	2021		3Q	2020		3Q	2019		3Q	+2Q	
Michigan	810	2027		4Q	2027		2Q	2026		4Q	2026		2Q	2024		3Q	2022		3Q	+2Q	
Indiana	812	2013		1Q	2012		3Q	2012		2Q	2011		3Q	2011		1Q	2010		2Q	+2Q	
Florida	813	2018		4Q	2018		2Q	2018		1Q	2018		1Q	2016		4Q	2016		2Q	+2Q	
Pennsylvania	814	2012		1Q	2012		3Q	2013		1Q	2012		4Q	2012		2Q	2012		1Q	-2Q	
Illinois	815/779	2036		3Q	2035		2Q	2035		1Q	2035		1Q	2033		2Q	2032		4Q	+5Q	a
Missouri	816	2019		2Q	2018		3Q	2017		1Q	2016		1Q	2015		3Q	2015		3Q	+3Q	a
Texas	817/682	2034		3Q	2033		1Q	2028		1Q	2027		3Q	2025		3Q	2024		3Q	+6Q	a
California	818/747	2034		1Q	2032		4Q	2009		4Q	2009		3Q	2009		3Q	2009		3Q	+5Q	a
Canada	819	2015		1Q	2015		1Q	2017		3Q	2017		3Q				2014		3Q	N/C	c
North Carolina	828	2018		2Q	2017		3Q	2015		4Q	2015		2Q	2014		4Q	2014		1Q	+3Q	a
Texas	830	2022		1Q	2021		1Q	2019		4Q	2018		4Q	2017		4Q	2016		4Q	+4Q	a
California	831	2036		2Q	2035		4Q	2034		4Q	2032		4Q	2030		1Q	2027		3Q	+2Q	
South Carolina	843	2012		2Q	2011		3Q	2011		3Q	2011		1Q	2011		1Q	2011		2Q	+3Q	a
New York	845	2017		2Q	2017		1Q	2016		1Q	2015		3Q	2014		4Q	2012		4Q	+1Q	
Illinois	847/224	2022		4Q	2022		3Q	2022		2Q	2021		2Q	2019		4Q	2019		1Q	+1Q	
Florida	850	2014		2Q	2013		3Q	2013		1Q	2013		1Q	2011		4Q	2011		1Q	+3Q	a
New Jersey	856	2022		2Q	2021		3Q	2021		2Q	2020		1Q	2018		2Q	2017		2Q	+3Q	a
California	858	2031		1Q	2030		3Q	2029		4Q	2026		4Q	2026		2Q	2024		1Q	+2Q	
Kentucky	859	2025		1Q	2023		4Q	2023		2Q	2022		4Q	2022		3Q	2020		3Q	+5Q	a
Connecticut	860	2012		1Q	2011		2Q	2011		2Q	2010		4Q	2010		3Q	2009		4Q	+3Q	a
Florida	863	2031		2Q	2029		3Q	2029		1Q	2027		3Q	2025		2Q	2023		3Q	+7Q	a
South Carolina	864	2017		2Q	2016		2Q	2016		2Q	2015		4Q	2015		3Q	2015		1Q	+4Q	a
Tennessee	865	2027		4Q	2027		2Q	2027		1Q	2026		3Q	2025		2Q	2024		4Q	+2Q	
Canada	867																				c, d
Arkansas	870	2013		3Q	2011		4Q	2011		2Q	2010		4Q	2010		2Q	2010		1Q	+7Q	a, k
Tennessee	901	2025		2Q	2025		1Q	2024		3Q	2023		2Q	2021		4Q	2020		3Q	+1Q	
Canada	902	2019		2Q	2019		2Q	2018		4Q	2018		4Q				2013		4Q	N/C	c
Texas	903/430	2026		2Q	2025		4Q	2025		4Q	2025		2Q	2024		3Q	2023		3Q	+2Q	
Florida	904	2019		4Q	2018		3Q	2018		2Q	2017		4Q	2017		3Q	2016		3Q	+5Q	a
Michigan	906	2040		3Q	2038		4Q	2034		2Q	2033		4Q	2031		3Q	2028		1Q	+7Q	a
Alaska	907	2015		1Q	2013		3Q	2012		3Q	2013		1Q	2013		2Q	2013		4Q	+6Q	a
New Jersey	908	2019		1Q	2018		1Q	2017		3Q	2017		2Q	2015		3Q	2014		1Q	+4Q	a
California	909	2016		1Q	2015		3Q	2014		4Q	2014		2Q	2013		4Q	2013		4Q	+2Q	
North Carolina	910	2015		1Q	2014		3Q	2013		4Q	2013		3Q	2012		4Q	2012		3Q	+2Q	
Georgia	912	2019		4Q	2019		2Q	2018		4Q	2020		3Q	2021		2Q	2021		1Q	+2Q	
Kansas	913	2033		2Q	2031		4Q	2030		1Q	2029		4Q	2029		3Q	2026		3Q	+6Q	a
New York	914	2019		3Q	2018		3Q	2018		3Q	2018		1Q	2017		4Q	2016		2Q	+4Q	a
Texas	915	2033		2Q	2032		1Q	2031		4Q	2031		2Q	2031		1Q	2027		3Q	+5Q	a
California	916	2016		3Q	2016		1Q	2016		1Q	2015		4Q	2015		3Q	2015		1Q	+2Q	
New York	917																				e
Oklahoma	918	2012		2Q	2011		4Q	2011		4Q	2011		1Q	2011		1Q	2010		4Q	+2Q	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
North Carolina	919/984	2041		3Q	2041		1Q	2040		3Q	2040		3Q	2038		4Q	2038		2Q	+2Q	p
Wisconsin	920	2013		3Q	2012		4Q	2012		2Q	2011		4Q	2011		2Q	2010		2Q	+3Q	a
California	925	2025		1Q	2024		1Q	2024		1Q	2022		2Q	2021		4Q	2019		3Q	+4Q	a
Arizona	928	2024		4Q	2023		2Q	2022		4Q	2022		2Q	2021		2Q	2022		2Q	+6Q	a
Tennessee	931	2024		3Q	2024		1Q	2023		1Q	2022		3Q	2021		2Q	2019		4Q	+2Q	
Texas	936	2036		3Q	2036		1Q	2032		1Q	2028		4Q	2026		3Q	2024		2Q	+2Q	
Ohio	937	2014		4Q	2013		4Q	2012		3Q	2012		2Q	2011		3Q	2011		3Q	+4Q	a
Texas	940	2031		4Q	2030		3Q	2028		1Q	2026		4Q	2025		4Q	2024		1Q	+5Q	a
Florida	941	2030		3Q	2029		3Q	2029		3Q	2028		4Q	2027		2Q	2024		4Q	+4Q	a
California	949	2031		4Q	2031		3Q	2025		3Q	2025		1Q	2024		1Q	2022		2Q	+1Q	
California	951	2024		1Q	2023		3Q	2021		3Q	2021		1Q	2019		3Q	2018		4Q	+2Q	
Minnesota	952	2032		1Q	2031		3Q	2028		4Q	2028		3Q	2027		1Q	2026		2Q	+2Q	
Florida	954/754	2035		2Q	2034		4Q	2034		3Q	2032		1Q	2030		4Q	2030		1Q	+2Q	
Texas	956	2018		3Q	2017		3Q	2016		2Q	2016		2Q	2016		2Q	2017		3Q	+4Q	a
Colorado	970	2016		4Q	2016		2Q	2015		2Q	2014		4Q	2014		4Q	2015		1Q	+2Q	
New Jersey	973/862	2024		4Q	2024		1Q	2023		4Q	2023		4Q	2022		3Q	2022		1Q	+3Q	a
Massachusetts	978/351	2035		3Q	2034		4Q	2034		3Q	2033		4Q	2031		3Q	2028		2Q	+3Q	a
Texas	979	2033		4Q	2032		1Q	2030		2Q	2029		4Q	2027		1Q	2024		3Q	+7Q	a
Louisiana	985	2035		1Q	2032		4Q	2029		3Q	2028		4Q	2027		4Q	2024		4Q	+9Q	a
Michigan	989	2015		3Q	2014		4Q	2013		4Q	2013		3Q	2012		3Q	2011		4Q	+3Q	a

## ATTACHMENT 6 (continued)

## NPA exhaust forecasts sorted by location:

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change	
		Year	R	Qtr	2009.1 to 2009.2	Notes															
Alabama	205	2013		3Q	2013		1Q	2012		4Q	2013		3Q	2014		2Q	2013		2Q	+2Q	
Alabama	251	2029		2Q	2029		2Q	2028		3Q	2028		1Q	2026		4Q	2026		2Q	N/C	
Alabama	256	2012	R	1Q	2011	R	3Q	2011	R	2Q	2010	R	4Q	2010	R	4Q	2010		4Q	+2Q	l
Alabama	334	2015		1Q	2014		2Q	2013		4Q	2013		4Q	2013		2Q	2012		4Q	+3Q	a
Alaska	907	2015		1Q	2013		3Q	2012		3Q	2013		1Q	2013		2Q	2013		4Q	+6Q	a
American Samoa	684				2076		3Q		o												
Arizona	480	2023		1Q	2022		1Q	2021		3Q	2021		3Q	2020		4Q	2020		4Q	+4Q	a
Arizona	520	2027		3Q	2027		2Q	2025		4Q	2025		3Q	2025		1Q	2025		1Q	+1Q	
Arizona	602	2023		2Q	2021		4Q	2019		4Q	2019		4Q	2018		3Q	2018		3Q	+6Q	a
Arizona	623	2040		1Q	2039		3Q	2036		3Q	2036		2Q	2035		2Q	2034		4Q	+2Q	
Arizona	928	2024		4Q	2023		2Q	2022		4Q	2022		2Q	2021		2Q	2022		2Q	+6Q	a
Arkansas	479	2030		4Q	2029		1Q	2028		3Q	2028		2Q	2026		4Q	2026		3Q	+7Q	a
Arkansas	501	2026		1Q	2025		3Q	2023		1Q	2022		1Q	2020		4Q	2020		2Q	+2Q	
Arkansas	870	2013		3Q	2011		4Q	2011		2Q	2010		4Q	2010		2Q	2010		1Q	+7Q	a, k
California	209	2022		4Q	2022		3Q	2021		3Q	2021		3Q	2020		4Q	2020		2Q	+1Q	
California	213	2038		3Q	2038		1Q	2037		3Q	2036		4Q	2033		3Q	2033		2Q	+2Q	
California	323	2013		4Q	2013		1Q	2012		2Q	2012		1Q	2012		3Q	2013		2Q	+3Q	a
California	408	2012		4Q	2012		2Q	2012		2Q	2012		1Q	2011		2Q	2010		3Q	+2Q	
California	415	2016		3Q	2016		1Q	2015		2Q	2014		2Q	2013		3Q	2012		3Q	+2Q	
California	510	2014	R	4Q	2014	R	2Q	2013	R	4Q	2013	R	3Q	2013	R	1Q	2012	R	3Q	+2Q	l
California	530	2017		2Q	2016		4Q	2016		2Q	2015		4Q	2015		4Q	2015		1Q	+2Q	
California	559	2018	R	4Q	2018	R	2Q	2017	R	3Q	2017	R	1Q	2016	R	3Q	2016	R	2Q	+2Q	l
California	562	2023		4Q	2023		2Q	2022		1Q	2021		3Q	2020		2Q	2020		2Q	+2Q	
California	619	2016		2Q	2015		4Q	2014		4Q	2014		2Q	2013		3Q	2013		2Q	+2Q	
California	626	2020	R	2Q	2019	R	4Q	2019	R	1Q	2018	R	4Q	2018	R	4Q	2017	R	4Q	+2Q	l
California	650	2022		1Q	2021		4Q	2021		4Q	2019		2Q	2017		3Q	2015		4Q	+1Q	
California	661	2023		1Q	2022		4Q	2021		3Q	2020		3Q	2017		4Q	2016		4Q	+1Q	
California	707	2017		1Q	2016		3Q	2015		4Q	2014		4Q	2014		1Q	2013		2Q	+2Q	
California	805	2014		4Q	2014		3Q	2014		1Q	2013		3Q	2012		3Q	2012		1Q	+1Q	
California	831	2036		2Q	2035		4Q	2034		4Q	2032		4Q	2030		1Q	2027		3Q	+2Q	
California	858	2031		1Q	2030		3Q	2029		4Q	2026		4Q	2026		2Q	2024		1Q	+2Q	
California	909	2016		1Q	2015		3Q	2014		4Q	2014		2Q	2013		4Q	2013		4Q	+2Q	
California	916	2016		3Q	2016		1Q	2016		1Q	2015		4Q	2015		3Q	2015		1Q	+2Q	
California	925	2025		1Q	2024		1Q	2024		1Q	2022		2Q	2021		4Q	2019		3Q	+4Q	a
California	949	2031		4Q	2031		3Q	2025		3Q	2025		1Q	2024		1Q	2022		2Q	+1Q	
California	951	2024		1Q	2023		3Q	2021		3Q	2021		1Q	2019		3Q	2018		4Q	+2Q	
California	310/424	2026		3Q	2025		3Q	2023		2Q	2022		4Q	2021		4Q	2021		3Q	+4Q	a
California	714/657	2039		2Q	2038		4Q	2038		3Q	2008		2Q	2008		2Q	2008		2Q	+2Q	
California	760/442	2037		3Q	2009		4Q	2009	R	4Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	+111Q	f

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
California	818/747	2034		1Q	2032		4Q	2009		4Q	2009		3Q	2009		3Q	2009		3Q	+5Q	a
Canada	204	2016		4Q	2011		1Q	2021		4Q	2021		4Q			2016		1Q	+23Q	c	
Canada	306	2022		4Q	2022		4Q	2023		4Q	2023		4Q			2019		4Q	N/C	c	
Canada	450	2010		4Q	2010		4Q	2012		3Q	2014		4Q	2013		4Q	2012		4Q	N/C	
Canada	506							2027		1Q	2027		1Q			2021		1Q			c, d
Canada	705	2011		4Q	2012		4Q	2015		1Q	2014		3Q	2015		2Q	2013		1Q	-4Q	c
Canada	709	2030		3Q	2030		3Q	2028		1Q	2028		1Q			2027		1Q	N/C	c	
Canada	807																				c, d
Canada	819	2015		1Q	2015		1Q	2017		3Q	2017		3Q			2014		3Q	N/C	c	
Canada	867																				c, d
Canada	902	2019		2Q	2019		2Q	2018		4Q	2018		4Q			2013		4Q	N/C	c	
Canada	250/778/604	2019		4Q	2019		4Q	2018		4Q	2018		4Q	2007		4Q	2007		4Q	N/C	c
Canada	289/905	2016		4Q	2028		3Q	2024		3Q	2014		3Q			2016		2Q	-47Q	c	
Canada	403/587/780	2022		3Q	2022		3Q	2024		4Q	2024		4Q	2008		3Q	2008		4Q	N/C	c
Canada	416/647	2021		4Q	2021		4Q	2017		1Q	2017		1Q			2017		2Q	N/C	c	
Canada	418/581									2008			4Q	2008		3Q	2007		4Q		c, d
Canada	514/438																				c, d
Canada	519/226	2019		2Q	2019		2Q	2019		2Q	2019		2Q			2021		1Q	N/C	c	
Canada	604/778							2018		4Q				2011		3Q					c, n
Canada	613/343							2011		4Q	2011		3Q	2011		3Q	2012		2Q		c, d
CNMI	670				2322		3Q	2322		4Q	2322		2Q	2320		3Q	2320		1Q		o
Colorado	719	2023		3Q	2023		1Q	2022		4Q	2021		2Q	2021		2Q	2022		4Q	+2Q	
Colorado	970	2016		4Q	2016		2Q	2015		2Q	2014		4Q	2014		4Q	2015		1Q	+2Q	
Colorado	303/720	2025		4Q	2025		2Q	2025		2Q	2025		2Q	2022		4Q	2022		2Q	+2Q	
Connecticut	860	2012		1Q	2011		2Q	2011		2Q	2010		4Q	2010		3Q	2009		4Q	+3Q	a
Connecticut	203/475				2010		2Q	2010		2Q	2010		2Q	2009		4Q	2009		1Q		f, o
Delaware	302	2025		3Q	2025		2Q	2025		1Q	2024		4Q	2021		3Q	2021		1Q	+1Q	
District of Columbia	202	2019		3Q	2020		1Q	2021		1Q	2022		4Q	2022		4Q	2019		1Q	-2Q	
Florida	239	2030		4Q	2029		3Q	2029		2Q	2027		4Q	2025		3Q	2024		2Q	+5Q	a
Florida	352	2021		2Q	2020		4Q	2020		1Q	2019		3Q	2018		2Q	2017		2Q	+2Q	
Florida	386	2029		4Q	2029		3Q	2029		1Q	2028		3Q	2028		1Q	2027		3Q	+1Q	
Florida	561	2022		1Q	2021		3Q	2021		2Q	2019		3Q	2018		1Q	2017		4Q	+2Q	
Florida	727	2029		3Q	2027		4Q	2027		2Q	2026		4Q	2023		3Q	2021		1Q	+7Q	a
Florida	772	2037		4Q	2037		2Q	2036		4Q	2034		3Q	2033		3Q	2031		3Q	+2Q	
Florida	813	2018		4Q	2018		2Q	2018		1Q	2018		1Q	2016		4Q	2016		2Q	+2Q	
Florida	850	2014		2Q	2013		3Q	2013		1Q	2013		1Q	2011		4Q	2011		1Q	+3Q	a
Florida	863	2031		2Q	2029		3Q	2029		1Q	2027		3Q	2025		2Q	2023		3Q	+7Q	a
Florida	904	2019		4Q	2018		3Q	2018		2Q	2017		4Q	2017		3Q	2016		3Q	+5Q	a
Florida	941	2030		3Q	2029		3Q	2029		3Q	2028		4Q	2027		2Q	2024		4Q	+4Q	a
Florida	305/786	2023		4Q	2022		4Q	2021		3Q	2020		4Q	2019		3Q	2019		1Q	+4Q	a

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
Florida	305A	2015		3Q	2012		4Q	2012		2Q	2011		2Q	2010		2Q	2009		2Q	+11Q	a, h
Florida	321A	2032		1Q	2031		3Q	2031		2Q	2029		2Q	2029		1Q	2026		3Q	+2Q	g
Florida	407/321	2013		1Q	2012		2Q	2011		3Q	2011		1Q	2010		3Q	2010		1Q	+3Q	a
Florida	954/754	2035		2Q	2034		4Q	2034		3Q	2032		1Q	2030		4Q	2030		1Q	+2Q	
Georgia	229	2015		2Q	2014		2Q	2013		1Q	2015		3Q	2020		4Q	2019		4Q	+4Q	a
Georgia	404	2015		2Q	2014		3Q	2014		2Q	2014		1Q	2013		2Q	2012		4Q	+3Q	a
Georgia	478	2030		4Q	2030		2Q	2028		3Q	2029		2Q	2029		3Q	2029		2Q	+2Q	
Georgia	912	2019		4Q	2019		2Q	2018		4Q	2020		3Q	2021		2Q	2021		1Q	+2Q	
Georgia	706/762	2028		2Q	2027		2Q	2025		3Q	2025		1Q	2025		2Q	2024		1Q	+4Q	a
Georgia	770/678/470	2025		4Q	2025		1Q	2024		4Q	2023		1Q	2021		2Q	2020		3Q	+3Q	a
Guam	671				2202		4Q	2299		4Q	2299		2Q	2297		3Q	2297		1Q		o
Hawaii	808	2023		4Q	2023		2Q	2023		1Q	2021		3Q	2020		3Q	2019		3Q	+2Q	
Idaho	208	2014		1Q	2013		2Q	2012		2Q	2012		1Q	2011		3Q	2011		2Q	+3Q	a
Illinois	217	2012		4Q	2012		2Q	2011		4Q	2011		2Q	2010		3Q	2009		3Q	+2Q	
Illinois	309	2016		1Q	2015		2Q	2014		3Q	2013		4Q	2012		4Q	2011		3Q	+3Q	a
Illinois	312				2017		4Q	2017		3Q	2017		3Q	2016		3Q	2015		4Q		m
Illinois	618	2013		2Q	2012		4Q	2012		1Q	2011		2Q	2010		3Q	2010		1Q	+2Q	
Illinois	708	2013		4Q	2013		2Q	2013		2Q	2012		3Q	2011		4Q	2011		1Q	+2Q	
Illinois	773				2009		3Q	2009		3Q	2009		2Q	2009		1Q	2009		2Q		m
Illinois	312/773/872	2029		2Q																	f, m
Illinois	630/331	2036		2Q	2035		2Q	2035		2Q	2035		1Q	2032		3Q	2007		2Q	+4Q	a
Illinois	815/779	2036		3Q	2035		2Q	2035		1Q	2035		1Q	2033		2Q	2032		4Q	+5Q	a
Illinois	847/224	2022		4Q	2022		3Q	2022		2Q	2021		2Q	2019		4Q	2019		1Q	+1Q	
Indiana	219	2031		2Q	2030		3Q	2030		3Q	2029		4Q	2027		2Q	2025		4Q	+3Q	a
Indiana	260	2034		4Q	2032		3Q	2030		3Q	2030		2Q	2028		2Q	2025		4Q	+9Q	a
Indiana	317	2015		4Q	2015		1Q	2014		1Q	2013		4Q	2013		3Q	2013		1Q	+3Q	a
Indiana	574	2035		4Q	2035		2Q	2034		4Q	2034		2Q	2028		4Q	2026		3Q	+2Q	
Indiana	765	2017		4Q	2017		1Q	2015		3Q	2015		1Q	2014		1Q	2012		4Q	+3Q	a
Indiana	812	2013		1Q	2012		3Q	2012		2Q	2011		3Q	2011		1Q	2010		2Q	+2Q	
Iowa	319	2021		2Q	2020		2Q	2018		4Q	2017		3Q	2016		4Q	2021		4Q	+4Q	a
Iowa	515	2024		3Q	2024		1Q	2021		2Q	2019		4Q	2016		3Q	2017		3Q	+2Q	
Iowa	563	2034		1Q	2031		1Q	2028		3Q	2027		4Q	2027		3Q	2025		1Q	+12Q	a
Iowa	641	2023		2Q	2021		2Q	2020		2Q	2018		3Q	2016		4Q	2017		3Q	+8Q	a
Iowa	712	2022		3Q	2021		3Q	2020		3Q	2019		3Q	2018		1Q	2018		3Q	+4Q	a
Kansas	316	2040		2Q	2037		4Q	2037		3Q	2037		1Q	2034		4Q	2031		3Q	+10Q	a
Kansas	620	2017		2Q	2015		4Q	2015		4Q	2015		4Q	2014		2Q	2013		4Q	+6Q	a
Kansas	785	2015		2Q	2014		1Q	2015		1Q	2016		1Q	2015		1Q	2014		1Q	+5Q	a
Kansas	913	2033		2Q	2031		4Q	2030		1Q	2029		4Q	2029		3Q	2026		3Q	+6Q	a
Kentucky	270	2012		4Q	2012	R	2Q	2011	R	2Q	2010	R	3Q	2009	R	2Q	2008	R	4Q	+2Q	l
Kentucky	502	2022		2Q	2021		1Q	2019		3Q	2018		3Q	2017		3Q	2017		1Q	+5Q	a

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change	
		Year	R	Qtr	2009.1 to 2009.2	Notes															
Kentucky	606	2021		2Q	2020		4Q	2019		4Q	2018		4Q	2018		4Q	2017		4Q	+2Q	
Kentucky	859	2025		1Q	2023		4Q	2023		2Q	2022		4Q	2022		3Q	2020		3Q	+5Q	a
Louisiana	225	2029		4Q	2029		3Q	2029		1Q	2028		3Q	2026		2Q	2023		2Q	+1Q	
Louisiana	318	2017		2Q	2016		4Q	2016		1Q	2015		4Q	2014		2Q	2013		2Q	+2Q	
Louisiana	337	2019		4Q	2018		3Q	2018		1Q	2017		3Q	2016		4Q	2015		4Q	+5Q	a
Louisiana	504	2028		1Q	2027		4Q	2026		1Q	2024		3Q	2023		3Q	2022		2Q	+1Q	
Louisiana	985	2035		1Q	2032		4Q	2029		3Q	2028		4Q	2027		4Q	2024		4Q	+9Q	a
Maine	207	2015		2Q	2014		4Q	2013		3Q	+2Q										
Maryland	301/240	2021		2Q	2022		3Q	2022		2Q	2021		3Q	2015		3Q	2014		3Q	-5Q	b
Maryland	410/443	2011		4Q	2011		3Q	2011		2Q	2011		2Q	2010		4Q	2009		4Q	+1Q	
Massachusetts	413	2024		3Q	2024		1Q	2023		3Q	2021		3Q	2020		4Q	2019		2Q	+2Q	
Massachusetts	508/774	2020		3Q	2020		1Q	2019		1Q	2018		1Q	2016		3Q	2015		1Q	+2Q	
Massachusetts	617/857	2031		4Q	2031		3Q	2031		1Q	2030		4Q	2026		3Q	2025		4Q	+1Q	
Massachusetts	781/339	2035		2Q	2034		4Q	2033		2Q	2031		1Q	2029		1Q	2027		1Q	+2Q	
Massachusetts	978/351	2035		3Q	2034		4Q	2034		3Q	2033		4Q	2031		3Q	2028		2Q	+3Q	a
Michigan	231	2031		4Q	2030		3Q	2026		2Q	2026		2Q	2022		3Q	2021		1Q	+5Q	a
Michigan	269	2028		2Q	2028		1Q	2025		4Q	2025		3Q	2023		2Q	2023		1Q	+1Q	
Michigan	313	2019		3Q	2018		4Q	2018		2Q	2017		2Q	2015		4Q	2015		4Q	+3Q	a
Michigan	517	2020		2Q	2019		4Q	2018		4Q	2017		4Q	2016		3Q	2015		3Q	+2Q	
Michigan	586	2031		3Q	2031		3Q	2027		4Q	2026		4Q	2025		4Q	2024		1Q	N/C	
Michigan	616	2027		2Q	2026		4Q	2026		2Q	2024		1Q	2023		1Q	2021		2Q	+2Q	
Michigan	734	2020		2Q	2020		1Q	2017		3Q	2017		1Q	2015		4Q	2015		1Q	+1Q	
Michigan	810	2027		4Q	2027		2Q	2026		4Q	2026		2Q	2024		3Q	2022		3Q	+2Q	
Michigan	906	2040		3Q	2038		4Q	2034		2Q	2033		4Q	2031		3Q	2028		1Q	+7Q	a
Michigan	989	2015		3Q	2014		4Q	2013		4Q	2013		3Q	2012		3Q	2011		4Q	+3Q	a
Michigan	248/947	2037		3Q	2036		1Q	2035		3Q	2032		1Q	2030		1Q	2026		3Q	+6Q	a
Minnesota	218	2017		2Q	2017		1Q	2017		1Q	2017		1Q	2016		2Q	2016		4Q	+1Q	
Minnesota	320	2025		1Q	2024		3Q	2024		3Q	2024		3Q	2020		3Q	2019		3Q	+2Q	
Minnesota	507	2015		3Q	2015		1Q	2014		1Q	2013		3Q	2012		3Q	2012		1Q	+2Q	
Minnesota	612	2031		3Q	2029		3Q	2026		2Q	2026		2Q	2024		3Q	2024		1Q	+8Q	a
Minnesota	651	2030		1Q	2028		3Q	2026		1Q	2025		3Q	2025		3Q	2025		3Q	+6Q	a
Minnesota	763	2031		3Q	2031		1Q	2030		4Q	2030		2Q	2029		3Q	2029		3Q	+2Q	
Minnesota	952	2032		1Q	2031		3Q	2028		4Q	2028		3Q	2027		1Q	2026		2Q	+2Q	
Mississippi	228	2042		1Q	2039		3Q	2039		1Q	2038		3Q	2036		2Q	2034		1Q	+10Q	a
Mississippi	662	2013		3Q	2012		4Q	2012		2Q	2011		4Q	2011		1Q	2010		2Q	+3Q	a
Mississippi	601/769	2034		2Q	2033		4Q	2033		2Q	2032		4Q	2030		4Q	2030		2Q	+2Q	
Missouri	314	2019		2Q	2018		1Q	2017		3Q	2017		4Q	2015		4Q	2015		2Q	+5Q	a
Missouri	417	2015		3Q	2013		2Q	2012		3Q	2011		4Q	2011		3Q	2011		1Q	+9Q	a
Missouri	573	2016		3Q	2015		2Q	2013		4Q	2012		3Q	2012		1Q	2011		3Q	+5Q	a
Missouri	636	2032		2Q	2030		3Q	2030		3Q	2029		3Q	2028		1Q	2027		3Q	+7Q	a

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
Missouri	660	2020		4Q	2019		3Q	2018		3Q	2017		3Q	2016		3Q	2015		3Q	+5Q	a
Missouri	816	2019		2Q	2018		3Q	2017		1Q	2016		1Q	2015		3Q	2015		3Q	+3Q	a
Montana	406	2015		1Q	2013		4Q	2012		4Q	2011		4Q	2011		2Q	2011		1Q	+5Q	a
Nebraska	308	2033		2Q	2033		2Q	2031		2Q	2030		4Q	2030		3Q	2029		3Q	N/C	
Nebraska	402	2011		3Q	2011		2Q	2010		3Q	2010		2Q	2009		4Q	2009		3Q	+1Q	
Nevada	702	2014		4Q	2014		1Q	2013		3Q	2013		2Q	2013		2Q	2013		2Q	+3Q	a
Nevada	775	2027		2Q	2026		4Q	2024		2Q	2022		4Q	2021		4Q	2020		3Q	+2Q	
New Hampshire	603	2012		2Q	2011		4Q	2011		2Q	2011		1Q	2010		4Q	2010		2Q	+2Q	
New Jersey	609	2013		4Q	2013		3Q	2013		2Q	2013		2Q	2012		3Q	2011		2Q	+1Q	
New Jersey	856	2022		2Q	2021		3Q	2021		2Q	2020		1Q	2018		2Q	2017		2Q	+3Q	a
New Jersey	908	2019		1Q	2018		1Q	2017		3Q	2017		2Q	2015		3Q	2014		1Q	+4Q	a
New Jersey	201/551	2043		1Q	2042		1Q	2042		1Q	2037		2Q	2033		4Q	2037		4Q	+4Q	a
New Jersey	732/848	2032		1Q	2031		2Q	2031		1Q	2029		2Q	2027		3Q	2025		1Q	+3Q	a
New Jersey	973/862	2024		4Q	2024		1Q	2023		4Q	2023		4Q	2022		3Q	2022		1Q	+3Q	a
New Mexico	505	2023		2Q	2023		1Q	2022		4Q	2009		1Q	2009		1Q	2009		1Q	+1Q	
New Mexico	575	2027		3Q	2027		3Q	2027		2Q										N/C	
New York	315	2013		4Q	2013		1Q	2012		1Q	2011		1Q	2010		3Q	2010		3Q	+3Q	a
New York	516	2018		2Q	2017		3Q	2016		3Q	2015		4Q	2014		4Q	2013		4Q	+3Q	a
New York	518	2015		3Q	2015		1Q	2014		3Q	2013		3Q	2012		4Q	2012		2Q	+2Q	
New York	585	2023		2Q	2022		4Q	2020		1Q	2019		1Q	2017		4Q	2017		4Q	+2Q	
New York	607	2026		1Q	2025		4Q	2023		1Q	2020		3Q	2020		2Q	2021		4Q	+1Q	
New York	631	2014		2Q	2014		1Q	2013		4Q	2012		4Q	2012		1Q	2011		2Q	+1Q	
New York	716	2018		3Q	2018		2Q	2017		2Q	2015		4Q	2015		3Q	2015		1Q	+1Q	
New York	845	2017		2Q	2017		1Q	2016		1Q	2015		3Q	2014		4Q	2012		4Q	+1Q	
New York	914	2019		3Q	2018		3Q	2018		3Q	2018		1Q	2017		4Q	2016		2Q	+4Q	a
New York	917																				e
New York	212/646	2015		2Q	2014		4Q	2014		2Q	2014		2Q	2013		3Q	2011		3Q	+2Q	
New York	718/347	2012		2Q	2011		4Q	2011		4Q	2011		4Q	2011		3Q	2012		3Q	+2Q	
North Carolina	252	2019		2Q	2019		1Q	2016		3Q	2016		1Q	2015		3Q	2016		3Q	+1Q	
North Carolina	336	2014		2Q	2014		2Q	2013		3Q	2013		1Q	2012		3Q	2012		1Q	N/C	
North Carolina	828	2018		2Q	2017		3Q	2015		4Q	2015		2Q	2014		4Q	2014		1Q	+3Q	a
North Carolina	910	2015		1Q	2014		3Q	2013		4Q	2013		3Q	2012		4Q	2012		3Q	+2Q	
North Carolina	704/980	2027		1Q	2026		3Q	2026		2Q	2025		3Q	2024		2Q	2023		4Q	+2Q	
North Carolina	919/984	2041		3Q	2041		1Q	2040		3Q	2040		3Q	2038		4Q	2038		2Q	+2Q	p
North Dakota	701	2014		3Q	2013		4Q	2013		2Q	2013		2Q	2013		3Q	2013		2Q	+3Q	a
Ohio	216	2032		4Q	2032		3Q	2027		4Q	2027		1Q	2025		2Q	2024		4Q	+1Q	
Ohio	440	2020		2Q	2019		3Q	2018		1Q	2017		4Q	2017		3Q	2016		3Q	+3Q	a
Ohio	513	2020		1Q	2018		3Q	2017		3Q	2016		3Q	2015		4Q	2015		1Q	+6Q	a
Ohio	614	2018		1Q	2017		1Q	2017		1Q	2016		1Q	2016		1Q	2015		4Q	+4Q	a
Ohio	740	2012		3Q	2012		1Q	2011		3Q	2011		2Q	2010		4Q	2010		2Q	+2Q	

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change	
		Year	R	Qtr	2009.1 to 2009.2	Notes															
Ohio	937	2014		4Q	2013		4Q	2012		3Q	2012		2Q	2011		3Q	2011		3Q	+4Q	a
Ohio	330/234	2031		4Q	2031		2Q	2031		1Q	2030		3Q	2028		4Q	2028		3Q	+2Q	
Ohio	419/567	2025		3Q	2024		3Q	2023		1Q	2022		3Q	2021		2Q	2020		3Q	+4Q	a
Oklahoma	405	2017		2Q	2016		2Q	2015		4Q	2016		2Q	2016		3Q	2015		3Q	+4Q	a
Oklahoma	580	2015		2Q	2014		4Q	2013		4Q	2012		3Q	2012		1Q	2011		1Q	+2Q	
Oklahoma	918	2012		2Q	2011		4Q	2011		4Q	2011		1Q	2011		1Q	2010		4Q	+2Q	
Oregon	503/971	2034		2Q	2034		2Q	2033		4Q	2032		2Q	2029		3Q	2028		3Q	N/C	j
Oregon	503A													2008		4Q	2008		4Q		j
Oregon	541/458	2031		1Q	2010		2Q	2010		4Q	2011		1Q	2011		1Q	2010		4Q	+83Q	f
Pennsylvania	570	2011		3Q	2011		3Q	2012		2Q	2011		4Q	2011		3Q	2011		2Q	N/C	l
Pennsylvania	717	2012		3Q	2012		3Q	2013		3Q	2013		1Q	2013		1Q	2012		1Q	N/C	
Pennsylvania	814	2012		1Q	2012		3Q	2013		1Q	2012		4Q	2012		2Q	2012		1Q	-2Q	
Pennsylvania	215/267	2014		3Q	2014		3Q	2014		3Q	2014		2Q	2013		3Q	2013		3Q	N/C	
Pennsylvania	412/878/724	2026		3Q	2026		2Q	2026		1Q	2025		4Q	2025		3Q	2025		1Q	+1Q	
Pennsylvania	610/484	2013		4Q	2013		3Q	2013		2Q	2012		4Q	2012		3Q	2012		3Q	+1Q	
Puerto Rico	787/939	2027		3Q	2027		1Q	2027		1Q	2026		3Q	2026		3Q	2026		3Q	+2Q	
Rhode Island	401	2021		3Q	2021		1Q	2019		4Q	2019		4Q	2018		1Q	2016		4Q	+2Q	
South Carolina	803	2014		2Q	2013		4Q	2013		4Q	2013		3Q	2013		1Q	2012		3Q	+2Q	
South Carolina	843	2012		2Q	2011		3Q	2011		3Q	2011		1Q	2011		1Q	2011		2Q	+3Q	a
South Carolina	864	2017		2Q	2016		2Q	2016		2Q	2015		4Q	2015		3Q	2015		1Q	+4Q	a
South Dakota	605	2018		4Q	2018		1Q	2016		3Q	2015		4Q	2014		4Q	2014		1Q	+3Q	a
Tennessee	423	2018		1Q	2017		3Q	2017		1Q	2016		4Q	2016		2Q	2015		3Q	+2Q	
Tennessee	615	2013		4Q	2013		4Q	2013		3Q	2013		2Q	2013		1Q	2012		4Q	N/C	
Tennessee	731	2030		3Q	2027		4Q	2026		1Q	2024		3Q	2022		4Q	2021		3Q	+11Q	a
Tennessee	865	2027		4Q	2027		2Q	2027		1Q	2026		3Q	2025		2Q	2024		4Q	+2Q	
Tennessee	901	2025		2Q	2025		1Q	2024		3Q	2023		2Q	2021		4Q	2020		3Q	+1Q	
Tennessee	931	2024		3Q	2024		1Q	2023		1Q	2022		3Q	2021		2Q	2019		4Q	+2Q	
Texas	210	2017		2Q	2016		3Q	2015		3Q	2015		1Q	2015		1Q	2015		1Q	+3Q	a
Texas	254	2022		4Q	2022		2Q	2021		1Q	2020		3Q	2018		2Q	2017		4Q	+2Q	
Texas	325	2033		3Q	2031		4Q	2029		2Q	2028		4Q	2026		3Q	2023		3Q	+7Q	a
Texas	361	2018		4Q	2017		4Q	2016		3Q	2016		1Q	2015		4Q	2015		2Q	+4Q	a
Texas	409	2031		3Q	2029		4Q	2028		2Q	2028		3Q	2026		3Q	2024		4Q	+7Q	a
Texas	432	2037		1Q	2036		3Q	2033		1Q	2032		4Q	2029		4Q	2028		1Q	+2Q	
Texas	512	2014		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	2011		1Q	+Q6	a
Texas	806	2017		4Q	2017		2Q	2017		1Q	2017		2Q	2016		2Q	2015		3Q	+2Q	
Texas	830	2022		1Q	2021		1Q	2019		4Q	2018		4Q	2017		4Q	2016		4Q	+4Q	a
Texas	915	2033		2Q	2032		1Q	2031		4Q	2031		2Q	2031		1Q	2027		3Q	+5Q	a
Texas	936	2036		3Q	2036		1Q	2032		1Q	2028		4Q	2026		3Q	2024		2Q	+2Q	
Texas	940	2031		4Q	2030		3Q	2028		1Q	2026		4Q	2025		4Q	2024		1Q	+5Q	a
Texas	956	2018		3Q	2017		3Q	2016		2Q	2016		2Q	2016		2Q	2017		3Q	+4Q	a

## ATTACHMENT 6 (continued)

LOCATION	NPA	2009.2 FCST			2009.1 FCST			2008.2 FCST			2008.1 FCST			2007.2 FCST			2007.1 FCST			Change 2009.1 to 2009.2	Notes
		Year	R	Qtr																	
Texas	979	2033		4Q	2032		1Q	2030		2Q	2029		4Q	2027		1Q	2024		3Q	+7Q	a
Texas	214/972/469	2019		3Q	2018		3Q	2018		1Q	2017		3Q	2016		2Q	2015		4Q	+4Q	a
Texas	713/281/832	2014		1Q	2013		3Q	2013		2Q	2013		1Q	2012		3Q	2012		2Q	+2Q	
Texas	817/682	2034		3Q	2033		1Q	2028		1Q	2027		3Q	2025		3Q	2024		3Q	+6Q	a
Texas	903/430	2026		2Q	2025		4Q	2025		4Q	2025		2Q	2024		3Q	2023		3Q	+2Q	
Utah	435	2031		2Q	2030		3Q	2030		2Q	2026		2Q	2024		4Q	2023		3Q	+3Q	a
Utah	801/385	2034		4Q	2034		4Q	2009		2Q	N/C										
Vermont	802	2018		3Q	2018		3Q	2018		3Q	2016		3Q	2015		3Q	2014		4Q	N/C	
Virgin Islands	340				2131		4Q	2131		2Q	2131		1Q	2130		3Q	2130		3Q		o
Virginia	276	2050		3Q	2050		2Q	2050		1Q	2049		4Q	2045		4Q	2039		4Q	+1Q	
Virginia	434	2035		4Q	2036		3Q	2036		3Q	2033		3Q	2032		2Q	2029		4Q	-3Q	b
Virginia	540	2016		4Q	2017		3Q	2017		3Q	2017		3Q	2016		1Q	2015		1Q	-3Q	b
Virginia	757	2015		3Q	2015		3Q	2015		3Q	2013		3Q	2012		4Q	2011		4Q	N/C	
Virginia	804	2019		2Q	2019		2Q	2018		2Q	2017		4Q	2016		4Q	2015		4Q	N/C	
Virginia	703/571	2024		1Q	2023		4Q	2023		3Q	2023		1Q	2021		3Q	2020		3Q	+1Q	
Washington	206	2021		2Q	2020		4Q	2020		3Q	2023		2Q	2021		4Q	2023		1Q	+2Q	
Washington	253	2029		4Q	2028		3Q	2028		2Q	2026		3Q	2025		2Q	2025		1Q	+5Q	a
Washington	360	2012		4Q	2012		2Q	2012		2Q	2011		4Q	2011		3Q	2010		4Q	+2Q	
Washington	425	2031		3Q	2030		4Q	2030		3Q	2031		1Q	2031		1Q	2027		3Q	+3Q	a
Washington	509	2016		1Q	2015		1Q	2014		2Q	2014		1Q	2013		1Q	2012		3Q	+4Q	a
West Virginia	304/681	2035		2Q	2035		1Q	2035		1Q	2009		1Q	2008		4Q	2008		3Q	+1Q	
Wisconsin	262	2026		1Q	2024		4Q	2023		1Q	2022		4Q	2020		2Q	2018		2Q	+5Q	a
Wisconsin	414	2033		1Q	2032		3Q	2032		2Q	2032		1Q	2028		3Q	2025		2Q	+2Q	
Wisconsin	608	2018		4Q	2017		4Q	2017		1Q	2016		4Q	2016		3Q	2015		4Q	+4Q	a
Wisconsin	715	2011		4Q	2011		3Q	2011		3Q	2011		1Q	2010		3Q	2009		4Q	+1Q	
Wisconsin	920	2013		3Q	2012		4Q	2012		2Q	2011		4Q	2011		2Q	2010		2Q	+3Q	a
Wyoming	307	2026		3Q	2026		1Q	2026		1Q	2025		1Q	2025		1Q	2024		1Q	+2Q	

## Notes:

- a. Reduced historical and projected demand.
- b. Increased historical and projected demand.
- b. Forecast based upon information provided by the Canadian Numbering Administrator (CNA). The CNA normally provides only one projection per year. Change is from last forecast provided.
- d. Canadian NPA. With an exhaust date beyond 2031, there is no exhaust date provided.
- e. NPA is at exhaust. No codes available except for returns.
- f. New NPA added.
- g. Area Code 321A includes only Brevard County Florida; 407/321 includes the Counties around Orlando in Central Florida
- h. Area Code 305A includes only the Keys area of Florida; Area Code 305/786 is the Miami-Dade area of Florida.
- i. "Intentionally left blank."
- j. Area Code 503A has been combined into Overlay Complex 503/971.
- k. Reflects Delta NRUF forecast issued October 2009.
- l. The "R" refers to the forecast projection made at the published ration level alone.
- m. New NPA overlay complex in Illinois; 872 overlays 312 and 773; 773 and 312 are not overlaying each other.
- n. Canadian boundary realignment among NPAs 250, 604 and 778.
- o. Exhaust beyond 50 years.
- p. Exhaust of NPA 919 is 1Q2012.

## ATTACHMENT 7 — 2009 NANP EXHAUST ANALYSIS

### Introduction

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

### October 2009 NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2009 NANP exhaust projection prepared by NANPA. These are the same assumptions used in previous NANP exhaust studies.

- The NANP exhaust study uses as its basis the CO code demand, which includes service provider and Pooling Administrator forecasts, historical CO code assignments and other NPA-specific information, calculated for each respective NPA. The monthly CO code demand as calculated in the NPA exhaust analysis is straight-lined to determine demand outside the five-year time frame included in NRUF submissions.
- For NPAs in rationing, NANPA compared the actual CO code demand over the past year(s) with the rationed amount. In addition, NANPA compared the forecasted CO code demand provided by service providers and/or the Pooling Administrator to the rationed amount. Based upon this analysis, NANPA identified an average annual CO code demand rate for the NPA.
- A new NPA will be required when the number of assigned and unavailable CO codes reaches 800.
- It is assumed that each new NPA will require the same number of unassignable codes as the current NPA. It appears that most of the unassignable codes in the existing NPAs are duplicated in the new NPA. There are also times when additional codes in the new NPA are marked unassignable.
- No assumptions were made with regard to the relief method implemented (i.e., NPA split vs. overlay). However, it was assumed that the selected relief method did not require the duplication or protection of central office codes above those identified in number 4 above.
- The CO code demand for an exhausting NPA will be continued after relief. By doing so, the demand for both the existing and new NPAs will be taken into account for the geographic area covered by the original NPA.
- 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)<sup>1</sup> and non-geographic NPAs (11)<sup>2</sup>.
- To account for the variability of demand, a sensitivity analysis was performed to the CO code demand (i.e., demand will be increased and decreased by increments of 10%) to understand the impact on NANP exhaust.

### Results based on Assumptions

As recognized in previous NANP exhaust analyses, the model is sensitive to the yearly CO code demand rate. Using the monthly CO code demand for each NPA as calculated in the October 2009 NPA Exhaust Analysis, and straight-lining this demand beyond the five-year time frame included in NRUF submissions, creates an average yearly demand rate of 6,700 CO codes. This yearly demand rate was compared with demand rates in 2003 through 2008.

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2003	3,200	1,400
2004	3,100	2,100
2005	3,300	2,300
2006	4,100	3,400
2007	3,200	2,900
2008	2,900	2,200
2009 (Annualized)	2,100	1,600

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 with an average annual demand of 5,700 CO codes<sup>3</sup>. This represents approximately a 15% reduction in the annual demand created using the October 2009 NPA Exhaust Analysis. Although this number is higher than the gross CO code demand in previous years, it accounts for any possible increase in CO code demand that may occur over the remaining years of the NANP life.

### Model Based on Projected Demand

Using an average CO code demand rate of 5,700 codes assigned per year, the projected NANP exhaust date is beyond 2039, assuming the quantity of NPAs available remains 685<sup>4</sup>.

### Sensitivity Analysis

Due to the results of the base model, the only sensitivity analysis performed was an increase in the average annual CO code demand on the results. For comparison purposes, NANPA performed a sensitivity analysis using an average annual demand of 6,700 CO codes, which represented the gross demand as calculated from the October 2009 NPA Exhaust Analysis. This resulted in a projected exhaust beyond 2039.

<sup>1</sup>NPAs 855, 844, 833, 822, 880, 881, 882, 883, 884, 885, 886, 887 and 889.

<sup>2</sup>These include the 5 codes reserved for future PCS expansion (522, 544, 566, 577 and 588) and 6 of the codes reserved for Canada (622, 633, 644, 655, 677 and 688).

<sup>3</sup>The base model used in the April 2009 study used an average demand rate of 5,800 codes. The October 2008 study used an average demand rate of 6,000 codes.

<sup>4</sup>The base model for the April 2009 NANP Exhaust study projected an exhaust date beyond 2039.

## ATTACHMENT 8 — WHERE TO FIND NUMBERING INFORMATION

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

### [www.nanpa.com](http://www.nanpa.com)

This is the official NANPA website. Its contents include:

- Assignment listings for NANP numbering resources, including area codes, CICs, 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](http://www.cnac.ca)

This is the Canadian Numbering Administrator's site. This site is the master reference for Canadian numbering assignment information and includes information similar to that provided by [www.nanpa.com](http://www.nanpa.com) for the U.S. and its territories.

### [www.nationalpooling.com](http://www.nationalpooling.com)

This is the site for the National Pooling Administrator. Information concerning thousand block assignments and availability can be found here.

### [www.fcc.gov](http://www.fcc.gov)

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

- [www.fcc.gov/wcb](http://www.fcc.gov/wcb) — the home page of the Wireline Competition Bureau. Orders related to numbering topics, including the Number Resource Optimization (NRO) orders, can be found here.
- <http://www.fcc.gov/wcb/cpd/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](http://www.crtc.gc.ca)

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

### [www.nanc-chair.org](http://www.nanc-chair.org)

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

### [www.atis.org](http://www.atis.org)

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

## ATTACHMENT 8 (continued)

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### [www.itu.int](http://www.itu.int)

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

### [www.naruc.org](http://www.naruc.org)

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

➤ <http://www.naruc.org/commissions.cfm> — provides links to state regulatory commission websites.

### [www.npac.com](http://www.npac.com)

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

### [www.sms800.com](http://www.sms800.com)

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

### [www.ESQK.com](http://www.ESQK.com)

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

### [www.mbiadmin.com](http://www.mbiadmin.com)

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

### [www.neca.org](http://www.neca.org)

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

## ATTACHMENT 9 — CONTACTS IN COUNTRIES PARTICIPATING IN THE NORTH AMERICAN NUMBERING PLAN

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Anguilla	Hon. Kenneth Harrigan Minister of Infrastructure, Communications, Utilities and Housing PO Box 60 Coronation Avenue The Valley, Anguilla British West Indies Phone: 264-497-2442 Fax: 264-497-5695 kenneth.harrigan@gov.ai	Larry Franklin Permanent Secretary MICUH PO Box 60 Coronation Avenue The Valley, Anguilla British West Indies Phone: 264-497-2651 Fax: 264-497-3651 larryf@gov.ai	Mr. Bill Withers Public Utilities Corporation The Valley, Anguilla British West Indies Phone: 264-497-2442 Fax: 264-497-3651 bill.withers@gov.ai
Antigua and Barbuda	Hon. Dr. Edmund Mansoor Minister of State - Information, Broadcasting & Telecommunications Sealy Business Complex, Sir George Walter Highway St. John's, Antigua, West Indies Phone: 268-562-2157 Fax: 268-562-2801	Mr. Clement Samuel Telecommunications Officer Ministry of Information, Broadcasting and Telecommunications Telecommunications Division 4th floor State Insurance Business Center Thames and Long Street St. John's, Antigua, West Indies Phone: 268-562-1868 Fax: 268-562-1872 telecom@antigua.gov.ag	
Bahamas	Hon. Zhizargo Laing 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 zlaing@bahamas.gov.bs	Mr. Barrett A. Russell 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 BRussell@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	Mr. Ronald Bascombe PS, Energy & Telecommunications Ministry of Finance and Investment, Labour, Civil Service and Energy Government Headquarters Bay Street St Michael Barbados Phone: 246-426-3179 Fax: 246-436-9280	Mr. Reginald Bourne The Chief Telecommunications Officer Telecoms Unit 3rd Floor East The Warrens Office Complex Warrens St. Michael BB12001 Phone: 246-310-2251	
Bermuda	William G. Francis Acting Permanent Secretary Ministry of Energy, Telecommunications & E-Commerce P.O. Box HM101, HMAX Hamilton, Bermuda Phone: 441-297-7931 Fax: 441-295-1462 wgfrancis@gov.bm	Hiram Edwards Acting Director of Telecommunications P.O. Box HM101, HMAX Hamilton, Bermuda Phone: 441-298-7444 Fax: 441-295-1462 hedwards@gov.bm	
British Virgin Islands	Hon. Julian Fraser, R.A. Minister of Communications and Works 33 Admin Drive Wickhams Cay I Road Town, Tortola British Virgin Islands Phone: 284-468-3701 x2183 Fax: 284-494-3873	Telecommunications Officer, Telecommunications Unit, R.G. Hodge Plaza, 3rd Floor Road Town, Tortola, BVI Phone: 284-494-3701 ext. 3603 Fax: 284-494-6462 gumalone@gov.vg	

## ATTACHMENT 9 (continued)

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Canada	<p>Robert A. Morin 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</p>	<p>Bill Mason Manager Numbering Administration Canadian Radio-television and Telecommunications Commission Les Terrasses de la Chaudière Central Building 1 Promenade du Portage Gatineau, Quebec J8X 4B1 (by mail to: Ottawa, ON, Canada K1A 0N2) Phone: 819-953-8882 bill.mason@crtc.gc.ca</p>	<p>Glenn Pilley Director Canadian Numbering Administrator SAIC Canada 1516-60 Queen Street Ottawa, Ontario Canada K1P 5Y7 Phone: 613-683-3289 Fax: 613-563-9293 pilleyg@saiccanada.com</p>
Cayman Islands	<p>David Laliberte General Counsel and Head of Licensing &amp; Compliance Information and Communications Technology Authority P.O. Box 2502 GT George Town, Grand Cayman Cayman Islands Phone: 345-946-4282 Fax: 345-945-8284 David.Laliberte@icta.ky</p>		
Dominica	<p>Hon. Ambrose George Minister of Information, Telecommunications and Constituency Empowerment Government Headquarters Roseau, Commonwealth of Dominica Phone: 767-266-5241 Fax: 767-448-0005</p>	<p>Craig Nesty Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue P.O. Box 649 Roseau, Commonwealth of Dominica Phone: 767-440-0627 Fax: 767-440-0835 director@ntrcdom.org</p>	<p>Craig Nesty Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue P.O. Box 649 Roseau, Commonwealth of Dominica Phone: 767-440-0627 Fax: 767-440-0835 director@ntrcdom.org</p>
Dominican Republic	<p>Jose Rafael Vargas Secretary of State President Santo Domingo Dominican Republic Phone: 829-473-8553 Fax: 829-732-3877 jrvargas@indotel.gob.do</p>	<p>Eduardo Evertz Manager Concessions and Licenses Department Phone: 829-473-8503 Fax: 829-732-7189 evertz@indotel.gob.do</p>	<p>Jose Perez Engineer Concessions and Licenses Department Phone: 829-473-8504 jperez@indotel.gob.do</p>
Grenada	<p>The Honorable Joseph Gilbert Minister for Works, Physical Development and Public Utilities Ministerial Complex, Botanical Gardens Tanteen, St. George's, Grenada Phone: 473-440-2271 Fax: 473-440-4122 ministryofworks@gov.gd</p>	<p>Aldwyn Ferguson Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's Grenada Phone: 473-435-6872 Fax: 473-435-2132 gntrc@ectel.int</p>	<p>Aldwyn Ferguson Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's Grenada Phone: 473-435-6872 Fax: 473-435-2132 gntrc@ectel.int</p>
Jamaica	<p>Maurice Charvis Deputy Director General Office of Utilities Regulation 3rd Floor, PCJ Resource Centre 36 Trafalgar Road Kingston 10 Jamaica Phone: 876-968-6053 Fax: 876-929-3635 mcharvis@our.org.jm</p>	<p>Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulation 3rd Floor, PCJ Resource Centre 36 Trafalgar Road Kingston 10 Jamaica Phone: 876-968-6053 Fax: 876-929-3635 crobinson@our.org.jm</p>	<p>Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulation 3rd Floor, PCJ Resource Centre 36 Trafalgar Road Kingston 10 Jamaica Phone: 876-968-6053 Fax: 876-929-3635 crobinson@our.org.jm</p>

## ATTACHMENT 9 (continued)

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Montserrat	Hon. Charles Kirnon Minister of Communications and Works P.O. Box 344 Woodlands, Montserrat West Indies Phone: 664-491-2521 Fax: 664-491-6659 comworks@gov.ms		
St. Kitts and Nevis	Hon. Dr. Earl Asim Martin Minister of Public Works, Utilities, Tranports and Posts Saint Kitts and Nevis Phone: 869-466-7032 Fax: 869-465-5501		
St. Lucia	Hon. Guy Joseph Ministry of Communications, Works, Transport and Public Utilities Union St. Lucia West Indies Phone: 758-468-4300 Fax: 758-453-2769	Alvin Augustin Manager of Technical Services National Telecommunications Regulatory Commission No. 35 Chisel Street P.O. Box GM690 Castries, St. Lucia West Indies Phone: 758-458-2035 Fax: 758-453-2553 aAugustin@ectel.int	Elicious Cyril Director National Telecommunications Regulatory Commission No. 35 Chisel Street P.O. Box GM690 Castries, St. Lucia West Indies Phone: 758-458-2035 Fax: 758-453-2553 ecyril@ectel.int
St. Vincent and the Grenadines	Apollo Knights Secretary/Director NTRC 2nd Floor NIS Building Upper Bay Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone: 784-457-2279 Fax: 784-457-2834 ntrc@ntrc.vc	Apollo Knights Secretary/Director NTRC 2nd Floor NIS Building Upper Bay Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone: 784-457-2279 Fax: 784-457-2834 ntrc@ntrc.vc	Apollo Knights Secretary/Director NTRC 2nd Floor NIS Building Upper Bay Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone: 784-457-2279 Fax: 784-457-2834 ntrc@ntrc.vc
Trinidad and Tobago	Cris Seecheran Deputy Executive Director Telecommunications Authority of Trinidad and Tobago #5 Eighth Avenue Extension, Off Twelfth Street Barataria, Republic of Trinidad and Tobago Phone: 868-675-8288 Fax: 868-674-1055		
Turks and Caicos Islands	Mr. Arthur Been Permanent Secretary of Tourism, Trade and Communications Government Square Grand Turk, Turks and Caicos Islands British West Indies Phone: 649-946-1738 Fax: 649-946-1498 abeen@gov.tc	John Williams Director General Telecommunications Commission PO Box 203 Providenciales Turks & Caicos Islands Phone: 649-946-1900 Fax: 649-946-1119 johnwilliams@tcitelecommission.tc	John Williams Director General Telecommunications Commission PO Box 203 Providenciales Turks & Caicos Islands Phone: 649-946-1900 Fax: 649-946-1119 johnwilliams@tcitelecommission.tc
United States	Sharon Gillet Chief, Wireline Competition Bureau Federal Communications Commission 445 12th St., SW Washington, DC 20554 Phone: 202-418-1500 Fax: 202-418-2825		Beth Sprague Regional Director NANPA Code Administration NeuStar, Inc. 46000 Center Oak Plaza Sterling, VA 20166 Phone: 571-434-5513 Fax: 571-434-5502 beth.sprague@neustar.biz

## ATTACHMENT 10 — LIST OF ACRONYMS

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**ABEC** — Alternate Billing Exchange Code

**AOCN** — Administrative Operating Company Number

**ANI** — Automatic Number Identification

**ASR** — Access Service Request

**ATIS** — Alliance for Telecommunications Industry Solutions

**CIC** — Carrier Identification Code

**CLEC** — Competitive Local Exchange Carrier

**CO** — Central Office

**EFT** — Electronic File Transfer

**ESQK** — Emergency Service Query Key

**FCC** — Federal Communications Commission

**FG B** — Feature Group B

**FG D** — Feature Group D

**FRN** — FCC Registration Number

**FTP** — File Transfer Protocol

**ILEC** — Incumbent Local Exchange Carrier

**INC** — Industry Numbering Committee

**IPD** — Initial Planning Document

**MTE** — Months-to-Exhaust

**LEC** — Local Exchange Carrier

**NANC** — North American Numbering Council

**NANP** — North American Numbering Plan

**NANPA** — North American Numbering Plan Administration

**NAS** — NANP Administration System

**NNS** — NANP Notification System

**NOWG** — Numbering Oversight Working Group

**NPA** — Numbering Plan Area

**NRO** — Number Resource Optimization

**NRUF** — Number Resource Utilization/Forecast

**OCN** — Operating Company Number

**pANI** — Pseudo Automated Number Identification

**PCS** — Personal Communications Service

**TN** — Telephone Number

**VoIP** — Voice over Internet Protocol

**VSC** — Vertical Service Code