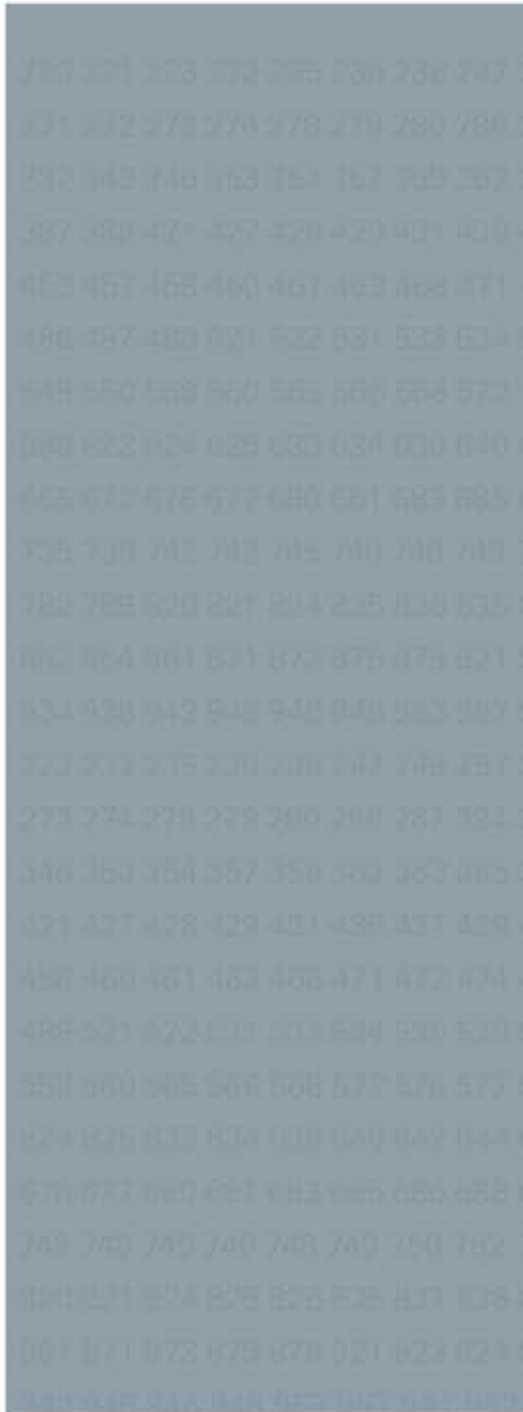


# NANPA 2007 Annual Report





To stakeholders of the North American Numbering Plan Administration

It is with great pleasure that NeuStar, Inc. presents the 2007 North American Numbering Plan Administration (NANPA) Annual Report. This annual report covers NANPA activities from January 1, 2007 – December 31, 2007.

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 2007. 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 nearly ten years. Over this time frame, we have 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. With this experience, we 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 stylized and cursive.

**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. In July 2003 the FCC selected NeuStar through a competitive bid to serve as NANPA for another five year term.

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

NANPA is not a policy-making entity. In making assignment decisions, NANPA follows regulatory directives and industry-developed guidelines. The North American Numbering Council 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 2007, there were over 1,800 NAS registered users. Over 1,400 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.

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 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 (Confirmation of Code In-Service form). 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), NPAs 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, email or mail. Such documentation includes evidence of certification and network readiness for initial code applications.

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.

Based upon changes in industry guidelines, NAS was modified in 2007 to remove the switch CLLI information from the NANPA public website. New reporting capabilities were incorporated on the password-protected side of the NAS to include the switch CLLI data. NAS was also modified to show codes set aside for pooling as "Available" on various reports (i.e., Central Office Code Assignment Activity

Record, Central Office Code Availability Report). The capability to generate the Part 1/Part 3 reports for authorized state regulators was incorporated into NAS. These reports are distributed on a daily, weekly or monthly basis, based upon the needs of the state regulator.

In late 2007, the FCC approved a change order to implement an interface between the Pooling Administration System (PAS) and NAS. Presently, a Central Office Code (NXX) Assignment Request (Part 1) application that is submitted to the Pooling Administrator (PA) requires the PA to email the application and associated supporting documentation to NANPA. NANPA then inputs the application into NAS and generates a Central Office Code (NXX) Assignment Request and Confirmation Form (Part 3), which is sent via email to the applicant and the PA. When a code is placed into service, the applicant then submits a Confirmation of Code In-Service (Part 4) to the PA, which is forwarded to the NANPA.

With this interface between the two systems, the service provider will no longer need to manually complete and send (via fax or email) a central office code request (Part 1) to the PA. PAS will permit the applicant to submit the CO code request by gathering the necessary information contained on a Part 1 and forwarding that 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 will appear in the work item list of the NANPA Code Administrator, eliminating the need for the Code Administrator to enter the information into the system as is presently done. When the Code Administrator processes the CO code application, NAS will email the Part 3 to the applicant as well as send it via the NAS/PAS interface to PAS. The Part 4 will also be sent via the interface. The NAS/PAS interface is targeted for implementation in 2008.

In anticipation of the NAS/PAS interface, NAS was modified in 2007 to permit NAS users to request the NANPA Login Administrator to change their NAS username. Allowing users to have the same username for both systems will permit the smooth transfer of information between the systems.

### 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), 500-NXX codes, 900-NXX codes, 456-NXX codes, NPAs, 800-855 line numbers, and 555 line numbers. In addition, NAS provides real-time reports on the assignment status of these numbering resources. These reports are accessible through the reports section of the NANPA website.

## NANP Notification System

The NANP Notification System (NNS) provides a vehicle for NANPA to 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 (CO) 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
- Press releases announcing new NPAs
- Announcements by state regulators of changes that affect NANP processing
- 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 aides, as well as procedural changes (such as the introduction of new data fields)
- Changes to NANPA processes that will affect customers (e.g., changes to utilization requirements)
- 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
- 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 2007, NANPA distributed over 190 notifications.

## 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 500 and 900 NPAs.

In 2007, a new version of the NRUF Form 502 was approved. This new form, along with updated NAS NRUF training guides, on-line instructions and geographic and non-geographic job aids, were posted to the NANPA website. In addition, NANPA replaced four NAS servers. A primary function of these servers was in direct support of the NRUF submission and reporting processes.

## NAS Reports

NAS provides a number of real-time reports concerning NANP resource assignment and availability, including central office codes, CICs, 500 NXXs, 900 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 indicate the various NAS capabilities he or she intends to use.

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 (CO Code Administration), 2) access NRUF on-line capabilities, 3) register for various geographic and non-geographic notifications, and 4) submit applications for other NANP resources such as CICs, 500 NXXs, 900 NXXs, 456 NXXs, 800-855 line numbers and 555 line numbers.

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.

## CODE ADMINISTRATION

### Overview

Code administration includes receiving and processing applications for assignment, making and recording assignments, reclaiming resources no longer needed, 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/N00 codes (500-NXX);
- 900-NXX codes;
- N11 codes;
- 555-XXXX line numbers;
- Carrier identification codes (CICs);
- International inbound NPA 456-NXX codes;
- 800 855-XXXX line numbers;
- ANI II digits (Automatic Number Identification Information Integers); and
- Vertical service codes.

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

### Resource report—NPA codes

**Contact: John Manning, 571-434-5770**

NPA codes, often called “area codes,” are the first three digits of the 10-digit 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 a complete inventory of NPA codes.

Most NPA codes designate specific geographic areas; for example, NPA 202 services Washington DC and NPA 304 covers the state of West Virginia. NPA codes used in this manner are called geographic NPA codes. As of December 31, 2007, 325 geographic NPA codes were in service. Of these, 282 serve the U.S. and its territories, 25 serve Canada, and the remaining 18 serve Bermuda and the Caribbean islands 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 10 such codes are in use. No new non-geographic NPA codes were assigned in 2007. Attachment 4 lists the non-geographic NPA codes currently in use.

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

### 2007 Activities

Three new NPA codes were introduced in 2007, as shown in the table below

**Table 1: NPAs Introduced in 2007**

NPA	Date In Service	Location	Overlay	Parent NPA	Planning Letter Number(s)	NPA Overlay Complex
779	03/17/2007	Illinois	Yes	815	354	815/779
575	10/07/2007	New Mexico	No	505	358, 328, 312, 292	
331	10/07/2007	Illinois	Yes	630	362, 357, 195	630/331

As of December 31, 2007, 37 previously assigned NPA codes remained to be introduced, as shown in the table below. 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.

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	
283	OH	US		513	Suspended	316, 286, 264
341	CA	US		510	Suspended	206, 190
364	KY	US	01/01/2009	270	Pending	371, 365
369	CA	US		707	Suspended	238, 210
380	OH	US		614	Suspended	317, 297, 290
385	UT	US	03/29/2009	801	Scheduled	337, 326, 308, 248, 231
442	CA	US		760	Suspended	238, 194
447	IL	US		217	Pending	
464	IL	US		708	Pending	195
470	GA	US		678	Pending	269
475	CT	US		203	Pending	255, 217
557	MO	US		314	Suspended	303, 279, 261
564	WA	US		360	Suspended	298, 239, 196
581	Quebec	CA	09/19/2008	418	Pending	367
587	Alberta	CA	09/19/2008	780	Pending	369, 364
627	CA	US		707	Suspended	238, 210
628	CA	US		415	Suspended	206, 191
657	CA	US	09/23/2008	714	Suspended	206, 169
659	AL	US		205	Pending	289, 284
667	MD	US		443	Pending	299, 266
669	CA	US		408	Suspended	206, 149
679	MI	US		313	Pending	227, 209
689	FL	US		407	Suspended	325, 323
730	IL	US		618	Pending	
737	TX	US		512	Suspended	276, 233
747	CA	US		818	Pending	
764	CA	US		650	Suspended	206, 193
822	NANP area			800	Pending	214
833	NANP area			800	Pending	214
844	NANP area			800	Pending	214
855	NANP area			800	Pending	197
872	IL	US		312	Pending	195
935	CA	US		619	Suspended	230, 128
959	CT	US		860	Pending	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. Two new overlays were introduced in 2007. Listed in Table 3 are the overlay complexes in service as of December 31, 2007.

## Dialing plans

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

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

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

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

**Table 3: NPA Overlays**

Location	Overlay Complex
British Columbia	604-778
California	310-424
Colorado	303-720
Dominican Republic	809-829
Florida	305-786
Florida	407-321
Florida	954-754
Georgia	404-770-678
Georgia	706-762
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
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
Texas	214-469-972
Texas	713-281-832
Texas	817-682
Texas	903-430
Virginia	703-571

\* New in 2007

## 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 containing 10,000 numbers, for use in the areas they serve. Central office code requests also come through the pooling administrator in order to replenish the supply of available thousands blocks, request a location routing number (LRN) or for a dedicated customer in a pooling area. NANPA central office code administration, with offices located in Sterling, VA, tracks nearly 140,000 assigned central office codes in the U.S. and its territories. NANPA processed over 18,100 requests in 2007 (up from 17,300 in 2006) for central office code assignments, code returns or changes to existing assignments.

The FCC, in its Number Resource Optimization order series, established detailed criteria for the assignment of initial and growth central office codes in the U.S. and its territories. The process of applying for a central office code assignment based on FCC rules and regulations is specified in guidelines developed by the industry. The latest version of these guidelines can be found at the Alliance for Telecommunications Industry Solutions (ATIS) website at [www.atis.org](http://www.atis.org).

### Central Office Code Activity

Central office code monthly application and assignment activities during 2007 are shown in the table below.

**Table 4: 2007 Monthly CO Code Activity**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Assignments	340	317	460	296	231	241	310	194	243	260	161	163	3,216
Changes	605	682	942	961	1,485	1,131	1,180	1,743	1,180	1,866	494	509	12,778
Denials	57	113	71	74	102	258	88	81	281	147	45	47	1,364
Cancellations (Note 1)	29	60	29	13	8	8	14	4	43	10	7	4	229
Canceled Disconnects (Note 1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	3	0	0	4
Disconnects	34	88	48	47	75	73	42	74	57	137	40	34	749
Reservations	0	0	0	0	0	1	0	0	1	1	0	0	3
Total Processed	1,036	1,200	1,521	1,378	1,893	1,704	1,620	2,092	1,762	2,411	740	753	18,110
Pooling Pass-Thru	507	621	704	728	788	750	721	863	855	744	367	322	7,970

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. This measurement was initiated in September 2007.
- **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 CO code assignments in 2007 as compared to 2006 was down nearly 860 codes. Central office code change requests in 2007 were up 14% when compared to 2006. The quantity of disconnects in 2007 were essentially the same as in 2006. In 2007, the number of applications coming to NANPA via the Pooling Administrator decreased by over 1,000 requests.

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 31 central office code assignment requests in 2007.

### 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

### Central Office Code Administration Quality Measurements

Central office code administration quality results for 2007 are summarized in Table 6. A detailed description of the quality measurements follows.

The table shows three primary measurements:

- 1. Application processing** — NANPA is required to process central office code applications within ten business days. The table shows the percentage of applications processed within ten business days, the number of applications exceeding the ten business day period, and, for those applications requiring more than ten

business days, the “average number of days late.” The results in the table show uniform, high quality processing.

- 2. Code Conflicts** — 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.

### 2007 Activities

Below is a summary of central office code administration activities in 2007.

**Processing Central Office Code Rate Center Changes** — Effective February 2007, NANPA began checking to see if there are any active or pending ported telephone numbers on a central office code in which the service provider desired to change the associated rate center. When NANPA receives such an application, it requests an NPAC ad hoc report that identifies the service provider(s) and associated quantities of ported telephone numbers (TNs) or pending ports within the code. If the report shows that there are ported TNs or pending ports, then NANPA will deny the application. If the report shows that there are no ported TNs or pending ports, then NANPA will process the application with instructions to the applicant to immediately remove the NXX from the NPAC to ensure that no porting occurs between the time the ad hoc report was produced and the effective date of the rate center change.

**Submission of a Part 4 Confirmation of CO Code In-Service for Dedicated Non-Pooled Codes** — Starting in April 2007, service providers that designate dedicated codes obtained through the

**Table 6: 2007 CO Code Administration Quality Results**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1. Percentage of central office code applications processed in 10 days	99.9%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.7%	100.0%	100.0%	100.0%
Number of applications exceeding 10 days	1	1	0	0	0	0	0	0	5	0	0	0
Average days late for applications exceeding 10 days	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
2. Percent of central office codes assigned without code reject or conflict	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.6%	98.7%	100.0%
A. CO code rejects (Note 1)	0	0	0	0	0	0	0	0	0	1	2	0
B. CO code conflicts (Note 1)	0	0	0	0	0	0	0	0	0	0	0	0
3. Percent of administrator phone calls returned by end of next business day	100.0%	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	130	257	203	253	220	210	235	248	237	224	224	132
Average days late for phone calls returned late	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note 1 – A code reject is not due to NANPA error while a code conflict represents a NANPA assignment error

Pooling Administrator as non-pooled codes are permitted to submit the Part 4 (Confirmation of CO Code In-Service form) for these codes directly to NANPA. A new field was added to the Part 4 in which the service provider can indicate that the code is a non-pooled, dedicated code in a pooling area. If this field is populated, NAS will automatically forward the Part 5 (Administrators Response – Receipt of Part 4) to the service provider and the Pooling Administrator. If this field is not populated, the Part 5 will only be sent to the service provider.

**Reclassification of Codes in the Pooling Set-Aside Status in the NANP Administration System (NAS) to “Available” Codes** — In May 2007, central office codes in a status of “Pooling Set-Aside” were included in the “Available” status on various reports (i.e., Central Office Code Assignment Activity Record, Central Office Code Availability Report) instead of their previous placement in the “Unavailable Code” status.

**Removal of Switch CLI Information from the NANPA Website** — In September 2007, the Switch CLI information was removed from the NANPA public website. At the same time, new reporting capabilities were incorporated on the password-protected side of NAS. These reports include the same information as the public website reports, with the exception that Switch CLI information appears on the password-protected NAS reports.

**Scheduling Central Office Code Disconnects** — Effective November 1, 2007, NANPA began to schedule an effective date for each approved code return/disconnect in the Telcordia™ Business Integrated Routing and Rating Database System (BIRRRDS). This new process was implemented in an effort to prevent a central office code with potentially ported TNs from being deleted in BIRRRDS prior to NANPA approving the code return/disconnect.

**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 2007, 27 NPAs were in jeopardy. Two area codes were removed from the list of jeopardy NPAs in 2007 as NPA relief planning was implemented. One area code was added to the list of jeopardy NPAs in 2007.

**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 authorities. The NRO order delegated authority to the states to determine whether or not delinquent codes should be reclaimed. The FCC makes reclamation decisions for those states that decided not to participate in the process. The NANPA 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 2007.

**Table 7: 2007 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)	71	38	53	59	29	64	62	75	40	30	48	44
Number of codes on which reclamation started late.	0	0	0	0	0	0	0	0	0	0	0	0
Codes recovered (Note 2)	0	0	0	0	0	3	0	1	0	0	4	2
Number of Reclamation Discrepancies Reported by State Commission(s) Regarding Monthly Reclamation List	0	0	0	0	0	0	0	0	1	0	0	2

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—500-NXX codes

Contact: Nancy Fears, 830-632-5979

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

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

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

During 2007, NANPA assigned 147 new 500-NXX codes (yielding an average assignment rate of 12.25 codes per month). This is more than double the quantity of codes assigned in 2006. NANPA reclaimed a total of 5 codes as compared to 34 codes during 2006. At the end of 2007, a total of 713 NXX codes were assigned and 78 remained available for assignment. Nine 500-NXX codes are not available for assignment (500-555 and all 500-N11).

Using both actual assignment information in 2007, along with NRUF forecast submissions, NANPA now projects the exhaust of the 500 resource could occur in 2008. This exhaust forecast does not take into consideration reclamations and/or returns.

In 2007, NANPA notified the industry and regulators that the 500 NPA was potentially facing exhaust within one year. NANPA introduced an INC issue to address the relief of the 500 NPA. PCS 5YY-NXX (PCS 533-NXX) will be available in 2008 as soon as the last 500-NXX has been assigned.

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

## Resource report—900-NXX codes

Contact: Nancy Fears, 830-632-5979

During 2007, there were 4 new 900-NXX assignments; 1 code was reclaimed/returned.

Fifty-nine 900-NXX codes were not available for assignment as of December 31, 2007. These include 900-N11 (8) and 51 codes reserved for Canadian use.

At the end of 2007, a total of 118 900-NXX assignments were in effect. The number of 900-NXX codes available for assignment was 623. With the quantity of available 900 NXX codes, exhaust of the 900 NXX resource is not an issue at this time.

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

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

During 2007, there were eight (8) new 555 line numbers assigned by NANPA. One (1) application was denied. Six (6) line number assignments were reclaimed in 2007.

At the end of 2007, a total of 7,459 national assignments and 398 non-national line number assignments (296 actual line numbers, 102 of which are 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 2007, 2,028 555 line numbers were available for assignment.

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. Normally, an entity acquires a CIC assignment by purchasing Feature Group B (FG B) or Feature Group D (FG D) access from an access service provider. Per a directive from the FCC in 2004, NANPA now assigns FG D CICs to “switchless resellers” without the requirement to purchase direct FG D trunk access before applying for a CIC.

In addition, as the result of an INC agreement, changes to the CIC assignment guidelines effective in October 2006, allow billing and collection clearinghouses (“BC clearinghouses”) to obtain FG D and “matching” FG B CICs also without the requirement to first purchase direct access before applying for a CIC. 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, access service providers apply to the Canadian Numbering Administrator (CNA), who verifies that Canadian regulatory requirements have been met and forwards the application to NANPA. The CNA then submits the application 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 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 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 FedEx 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 FedEx returns NANPA’s

reclamation letter as “undeliverable.” In these cases, NANPA advises INC of the inability to contact the assignee, that no direct trunk access/usage is being reported, and that the CIC will be reclaimed and made available for reassignment following the idle period required by the guidelines (12 months), unless INC directs otherwise.

Maintaining accurate assignment records and entity contact information is an ongoing challenge for NANPA due to abandoned CICs and the high volume of mergers, acquisitions, asset purchases and bankruptcies that 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 2007, NANPA assigned 82 new FG D CICs, yielding an average assignment rate of 6.9 codes per month. U.S./Canadian switchless resellers received 19 of these assignments. Just as important, NANPA continued its concerted effort in 2007 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 155 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 2007, 2,032 FG D CICs were assigned in total, leaving 7,744 FG D CICs available for assignment. Based on the 2007 average monthly assignment rate, the projected exhaust for the FG D CIC resource is over 90 years. Note 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.”

As of the end of 2007, NANPA had identified 125 FGD 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 (FGD access and/or usage) appeared on access providers’ 2007 semi-annual CIC reports.

NANPA notified the INC of the problem of abandoned CICs in 2006. As a result, a new section was added to the CIC Assignment Guidelines in 2007 entitled “CICs with Unidentifiable Assignees”

containing clearly-defined steps for NANPA to follow with regard to handling these CICs with assignees that cannot be located.

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

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	8	10	2	0
February	8	8	2	0
March	11	14	1	2
April	9	10	1	1
May	5	29	0	1
June	11	5	1	2
July	5	9	0	2
August	3	10	0	1
September	7	3	1	5
October	7	23	2	4
November	6	22	2	1
December	2	12	3	0
Total	82	155	15	19

**FG B CIC activity**

During 2007, no FGB CICs were assigned by NANPA. NANPA continued its effort in 2007 to investigate and reclaim FG B CICs that were abandoned and/or not in service. Our efforts resulted in the return/reclamation of 42 FG B CICs.

At the end of 2007, 294 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 2007, NANPA had identified 29 FGB 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 (FGB usage and/or access) appeared on access providers’ 2007 semi-annual CIC reports.

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

Month	Assigned	Reclaimed/ returned codes	Applications Denied	Applications Withdrawn
January	0	6	0	1
February	0	1	0	0
March	0	4	1	1
April	0	0	0	1
May	0	10	0	0
June	0	1	0	0
July	0	3	0	0
August	0	2	0	0
September	0	2	0	0
October	0	7	0	0
November	0	5	0	0
December	0	1	0	0
Total	0	42	1	3

**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 2007.

**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 [www.atis.org](http://www.atis.org). The guidelines are entitled "International Inbound NPA (INT/NPA/NXX) Assignment Guidelines."

No 456-NXX assignments were requested during 2007. 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 at [www.atis.org](http://www.atis.org).

No 800-855 number assignments were made in 2007.

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

Contact: John Manning, 571-434-5770

Automatic Number Identification (ANI) "II" digits are digit pairs sent with the originating telephone number. The digit pair identifies the type of originating station; e.g., plain old telephone service (POTS) or hotel/motel. Requests for the assignment of ANI II digits are referred to the INC for consideration. If the INC approves the request, NANPA makes the assignment. A complete list of ANI II assignments may be found on the NANPA website, [www.nanpa.com](http://www.nanpa.com).

No ANI II digit assignments were made in 2007.

### Resource report—Vertical Service Codes

Contact: John Manning, 571-434-5770

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

NANPA made no VSC assignments in 2007. A complete listing of assigned VSCs is available on the NANPA website, [www.nanpa.com](http://www.nanpa.com).



## NPA RELIEF PLANNING OVERVIEW

**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](http://www.atis.org).

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. At this and any subsequent implementation meetings that may be held, led by a facilitator chosen by the industry, carriers develop detailed plans for the implementation of the new area code according to the plan approved by the state commission. Using decisions made at the initial implementation meeting, the relief planner 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 deeply involved in decisions about the timing of relief activities involving central office codes.

In 2007, NANPA initiated one new NPA relief planning project. Primarily, attention was directed at monitoring and, as necessary, acting upon current relief plans or projects. For example, NANPA worked closely with two state commissions to refresh 11 NPA relief planning alternatives that were included in petitions previously filed with the state.

NANPA relief planners facilitated 27 meetings, conducted entirely by conference call. They supported state commissions by participating in 33 state-sponsored regulatory hearings and workshops. To keep the industry informed, NANPA issued 122 notifications using the NANP Notification System (NNS). NANPA published twelve 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 2007, NANPA completed 100% of the 43 tracked activities on schedule, consistent with the results for the previous five years.

**Table 11: Relief planning timeliness**

Performance Measurement	Events in 2007	Completed on time	% on time completion
Initiated NPA relief planning within 36 months of NPA exhaust	1	1	100%
Distributed initial industry meeting notice within 8 weeks of relief meeting date.	1	1	100%
Distributed IPD within 4 weeks of relief meeting date.	1	1	100%
Distributed meeting minutes within 2 weeks or date set at the meeting.	23	23	100%
Held minutes review by date set at the meeting.	5	5	100%
Filed relief –related petitions by date set at the meeting.	1	1	100%
Requested relief NPA assignment within 1 week of regulatory approval.	1	1	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.	1	1	100%
Held jeopardy meeting within 30 calendar days after jeopardy declaration.	1	1	100%
Posted planning letter on website within 3 weeks after implementation meeting.	4	4	100%
Posted planning letter on website within 10 business days after regulatory change.	4	4	100%
<b>Totals</b>	<b>43</b>	<b>43</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 99.85% of client voicemail and e-mail messages by no later than the end of the next business day.

### Customer survey feedback

Participants at the relief planning meeting held in 2007 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 meeting held during the year responded and rated their overall satisfaction with NANPA's conduct of the meeting an average of 5.00 out of a maximum of 5.00.

**Table 12: Relief planning meeting satisfaction survey**

Question	2007	2006	2005
Overall satisfied with conduct of meeting?	5.00	4.75	N/A
Received adequate meeting notice from NANPA?	5.00	4.94	N/A
NANPA was an effective facilitator?	5.00	4.77	N/A
Participant had an adequate opportunity to express opinions?	5.00	4.83	N/A
NANPA conducted the meeting impartially?	5.00	4.94	N/A
NANPA provided satisfactory response to questions and concerns?	4.93	4.67	N/A
NANPA provided satisfactory information about code history and NPA status?	5.00	4.90	N/A
Explained relief alternatives effectively?	4.93	4.72	N/A
Quality of documents and information provided was satisfactory?	4.86	4.85	N/A
NANPA presented well developed and reasonable relief alternatives?	5.00	4.69	N/A
Participant could easily obtain documents?	4.79	4.89	N/A

Note: There were no Relief Planning meetings in 2005

In 2007, 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 10 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 call an average of 4.96 out of a maximum of 5.00.

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

Question	2007	2006	2005
Overall satisfaction with NANPA's conduct of the conference call?	4.96	4.97	4.93
NANPA conducted the conference call in an impartial manner?	4.97	4.98	4.95
NANPA provided adequate notice of the conference call?	4.95	4.97	4.88
Adequate opportunity to express opinions during the call?	4.99	4.98	4.98
NANPA was well prepared for the meeting?	4.94	4.98	4.89
NANPA was an effective facilitator on the call?	4.92	4.98	4.95
Quality of documents and information was satisfactory?	4.87	4.87	4.62
Information provided prior to the call was sufficient?	4.91	4.86	4.75
Easily able to obtain documents?	4.89	4.81	4.57
The conference call facilities (e.g., sound quality) were satisfactory?	4.80	4.85	4.91

### Improved relief planning process

NANPA's relief planners continued using the practices below in the relief planning process during 2007:

- 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 attendance, 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 may rescind jeopardy status when there is no longer any danger that an NPA will exhaust before relief can be provided. In 2007, one jeopardy was rescinded.
- 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 and 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 2007, NANPA processed more than 14,000 NRUF submissions. NANPA processed these submissions within a ten-day timeframe and provided confirmation of receipt within five days of receiving each submission. In addition to processing submissions, the NRUF group also responded to over 2,700 telephone calls and email inquiries.

Two NAS-NRUF refresher training sessions were held in November. Over 60 service providers participated. The training covered a variety of topics including NAS registration as it applies to NRUF, the mechanics of submitting an NRUF via the web interface, and on-line reports. The training was specifically tailored toward the newer user of NAS. 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.

During 2007, NANPA received approval from the FCC to extend the expiration date for Form 502 to May, 2010. Although essentially unchanged from prior versions, an NNS notice of the approved extension was sent to all active NRUF subscribers in November.

### 2007 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 2007 NPA exhaust projections was similar to the methodology NANPA has used in the past few years to project area code exhaust. This methodology was reviewed with the North American Numbering Council and the FCC. In reporting the NPA exhaust projections, NANPA provides the previously projected NPA exhaust time frames in order to see 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 2007**

Qualitative Measurements	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Form 502 Email Submissions	2,413	941	268	221	169	166	2,348	989	346	177	170	98
Form 502 FTP Submissions	668	105	40	14	17	16	610	49	32	61	36	18
Form 502 Web Submissions	1,019	320	277	220	210	154	1,004	294	209	135	100	104
Total Submissions	4,100	1,366	585	455	396	336	3,962	1,332	587	373	306	220
Error Notifications Sent	633	381	102	61	46	46	631	345	114	56	40	17
Missing Utilization Notifications Sent	0	172	0	0	0	0	0	240	0	0	0	0
Anomalous Notifications Sent	0	82	275	247	0	0	0	0	444	225	0	0
Confirmation Notifications Sent	2,428	665	205	167	139	135	2,304	690	255	173	161	100
Phone Calls/Emails Received	447	380	229	136	91	98	403	340	328	155	86	48
State Reports Created	3	0	32	0	1	2	1	1	39	0	1	0
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 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."

NANPA's AOCN fees are explained in detail on the NANPA website.

### Quality Measurements

NANPA's AOCN primary service objective is to complete data entry within five business days of receiving a request. NANPA's performance in 2007, shown in Table 15, reflects outstanding service, ensuring that service providers' code assignment data is input into the appropriate databases to enable the proper rating and routing of calls.

### 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).

### Financial results

A summary of the AOCN and entry of paper submissions enterprise service revenues and direct expenditures is provided below. Ernst & Young audits NANPA's statements of revenues and direct expenditures associated with these two 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 requirements of the Third Report & Order (FCC Docket No. 92-237).

	2005	2006	2007*
Revenues	\$386,462	\$594,390	\$465,176
Direct Expenditures	\$301,088	\$368,042	\$318,143

\* Results for 2007 are unaudited estimates

### Entry of Paper NRUF Submissions

NANPA will enter paper submissions (faxed or mailed copies) of the NRUF Form 502 into the NANP Administration System 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 2007, no code holders used this service and no funds were expended to provide the 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 2007, no state used this service and no funds were expended to provide the service.

**Table 15: 2007 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	84	65	62	60	66	70	60	70	50	40	60	46

### 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, quality review, frequency, delivery mechanism, and other variables. In 2007, NANPA created no customized reports.

### INC Participation

Contact: Beth Sprague, 571-434-5513

NANPA was an active participant in the INC during 2007, introducing 13 new issues and submitting 14 contributions, as shown in the following tables. In 2007, NANPA provided the INC with written communications concerning NANPA change orders, historical resource assignment information, approval for reclamations, exhaust of specific 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 2007 and Supporting Contributions**

Issue Number	Supporting Contribution Number	Issue title
538*	CO/NXX-401*	Rate Center Updates/Changes that are not part of a consolidated or formal state order
544*	CO-NXX-402	Exchange of an NPA-NXX
548	NPA-222	PCS N00 Relief Clarification
552	CO/NXX-408	Pooled Code Allocations when Jeopardy is Declared
553*	DMM-176*	Update the PAR Document to include Administrative Functions
554	Note 1	Amendment to Section 6.5 of the 900 NXX Code Assignment Guidelines
555	NPA-223	Change to the PCS 5YY NXX Part C Code Confirmation of Code Activation Form
556	NPA-224	Change to the Part C Confirmation of 900-NXX Code In Service Form
559	NPA-225	Revise NPA Code Relief Planning Guidelines to address Customer Complaints
560	NPA-260 NPA-260R1	Miscellaneous Edits to NPA Code Relief Planning and Notification Guidelines
561	NPA-227	Include other types of non-voice services during permissive dialing for a geographic NPA split
565	Note 1	CO Code records in NPA Splits
567	Note 1	Changes to Footnote #9 (Section 3.1) in the CIC Assignment Guidelines

\* Indicates additional INC participants sponsored the issue or contribution.  
Note 1 – Proposed solution was included in issue statement

**Table 17: NANPA 2007 Contributions to Other Issues**

Contribution Number	Title-Issue
CIC-026, R1, R2*	Issue 509 - Abandoned CIC Assignments
CO/NXX-405*	Issue 526 - Edit COCAG Regarding Disconnect of NXXs in Telcordia BIRRDs
DMM-171*	Issue 537 - Validate the use of Rate Center vs. Rate Area in INC Guidelines
DMM-172*	Issue 537 - Validate the use of Rate Center vs. Rate Area in INC Guidelines

### 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 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 central office code assignment activity (i.e., quantity of codes assigned and returned) for each 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 500 and 900 NXX codes.
- 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 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” 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, and many such questions are received by NANPA daily. In 2007, NANPA received nearly 900 inquiries via its feedback mechanism. Questioners 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.

A number of enhancements were made to the website in 2007. Central office codes set-aside for pooling were included on the list of available codes on the public website. NPA relief planning responsibilities were added under the “Contact Us” page. The NPA report “Area Codes introduced since 1995” was updated with a new column indicating if the new NPA was an overlay. Finally, the search capability on the public website was enhanced to display information more in line with the word or phrase submitted, making it easier to find specific information on the website.

## 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 2007, articles appeared that addressed the CO code and NRUF reports available to service providers and regulators, common errors when completing an NRUF Form 502, 500 NPA exhaust, NPA and NANP exhaust projections and NAS enhancements.

## 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 900-NXX codes. NANPA works closely with other countries’ national numbering administrators during the resource request and assignment process. Normally, the national administrator receives the requests, ensures that their country’s regulatory requirements are met, and forwards the requests to NANPA. NANPA verifies that industry requirements are met and assigns the resources if appropriate to do so.

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

In 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 often 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 2007, NANPA provided a general overview of the NANP and NANPA operations for the new staff members of the Competition Policy Division of the Wireline Competition Bureau. Throughout the year, NANPA kept the FCC informed on potential issues concerning assignment of numbering resources to entities that may not be eligible to receive NANP resources directly from the NANPA. NANPA also submitted to the FCC proposed changes to the NANP Administration System (NAS) in response to modifications to industry guidelines and system requirements.

NANPA continued to support the states by providing them with the number utilization data collected via the semi-annual NRUF reporting, and assisted states 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. Along with this information, NANPA conducted refresher training sessions for state commissions on the available NAS NRUF capabilities and reports. NANPA continued to supply states with Part 1 and Part 3 reports, which provided the states a listing on a daily, weekly or monthly basis of all Part 1s and Part 3s processed by NANPA for their respective area codes.

NANPA worked closely with states to address specific issues or concerns associated with individual service provider requests for resources. Further, as NPA exhaust approached, NANPA ensured the states 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 visited state commissions to discuss specific activity and issues associated with active, pending or planned NPA relief projects and participated in state-sponsored regulatory hearings, workshops and conferences. In 2007, NANPA participated in numerous state-sponsored public meetings that solicited the input of the public on area code relief alternatives. NANPA also provided its leadership in addressing proposed rate center and NPA boundary changes in those areas recovering from weather-related disasters. NANPA continued to participate in bi-monthly conference calls with the states 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 states. To further ensure information was provided to the states on a regular basis, email updates on pertinent NANP numbering issues were sent to the states.

NANPA provided detailed reports to the NANC throughout 2007. These reports highlighted central office code assignment activity and trends, NPA relief planning activity, with a focus on those area codes projected to exhaust in the next 36 months, status reports on the many resources administered by NANPA and updates on NANPA change orders. NANPA 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 ensured that NANC was kept informed on NANPA-related matters by providing regular reports throughout the year.

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. In 2007, these efforts included enhancing NAS user documentation, augmenting website information and capabilities and acting as a central source of information for NANP and NANPA-related activities. NANPA also participated in the Future of Numbering Working Group as necessary. Finally, NANPA 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.

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, 372 have been assigned. Of these 372, 335 are in service and 37 are awaiting introduction. Of the 335 NPA codes in service, 325 are geographic and 10 are non-geographic.

Of the 681 assignable NPA codes, 309 are currently unassigned. Of these codes, 49 are easily recognizable codes (ERCs) currently allocated for non-geographic use, and 260 are general-purpose codes. Of these 260, 167 are reserved<sup>1</sup> for use as future geographic codes, leaving 93 available, unreserved, general-purpose codes.

Of the 49 unassigned ERCs, 12 are reserved<sup>2</sup>, leaving 37 available.

Reserved codes are listed below.

NPA					
220	346	461	568	686	839
221	353	463	572	688	840
223	354	468	576	699	841
232	357	471	577	726	851
235	359	472	579	728	852
236	362	474	582	729	854
238	363	476	583	735	861
247	365	481	584	739	871
249	367	483	588	742	873
257	368	485	622	743	875
258	382	486	624	745	879
259	384	487	625	746	921
261	387	489	633	748	923
263	389	521	634	749	924
271	421	522	639	750	926
272	427	531	640	752	927
273	428	533	642	753	929
274	429	534	644	756	930
278	431	535	645	761	934
279	436	536	652	768	938
280	437	537	655	782	942
286	439	539	656	789	945
287	445	544	665	820	946
324	448	546	672	821	948
326	449	548	676	824	953
327	451	550	677	825	957
328	453	558	680	826	981
329	457	560	681	835	982
332	458	565	683	837	986
343	460	566	685	838	987

<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 six codes reserved for Personal Communications Service (500) expansion and six codes reserved for Canada. Canada has also reserved 699, which is counted as an expansion code.



## ATTACHMENT 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	780
Canada	British Columbia	250
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	647
Canada	Ontario	705
Canada	Ontario	807
Canada	Ontario	905
Canada	Quebec	418
Canada	Quebec	438
Canada	Quebec	450
Canada	Quebec	514
Canada	Quebec	819
Canada	Saskatchewan	306
Canada	Yukon, NW Terr., Nunavut	867
Cayman Islands	Cayman Islands	345
Dominica	Dominica	767
Dominican Republic	Dominican Republic	809
Dominican Republic	Dominican Republic	829
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

Country	Location	NPA
US	AK	907
US	AL	205
US	AL	251
US	AL	256
US	AL	334
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	510
US	CA	530
US	CA	559
US	CA	562
US	CA	619
US	CA	626
US	CA	650
US	CA	661
US	CA	707
US	CA	714
US	CA	760
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

## ATTACHMENT 2

Country	Location	NPA
US	CO	720
US	CO	970
US	CT	203
US	CT	860
US	DC	202
US	DE	302
US	FL	239
US	FL	305
US	FL	321
US	FL	352
US	FL	386
US	FL	407
US	FL	561
US	FL	727
US	FL	754
US	FL	772
US	FL	786
US	FL	813
US	FL	850
US	FL	863
US	FL	904
US	FL	941
US	FL	954
US	GA	229
US	GA	404
US	GA	478
US	GA	678
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

Country	Location	NPA
US	IL	630
US	IL	708
US	IL	773
US	IL	779
US	IL	815
US	IL	847
US	IN	219
US	IN	260
US	IN	317
US	IN	574
US	IN	765
US	IN	812
US	KS	316
US	KS	620
US	KS	785
US	KS	913
US	KY	270
US	KY	502
US	KY	606
US	KY	859
US	LA	225
US	LA	318
US	LA	337
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

## ATTACHMENT 2

Country	Location	NPA
US	MI	616
US	MI	734
US	MI	810
US	MI	906
US	MI	947
US	MI	989
US	MN	218
US	MN	320
US	MN	507
US	MN	612
US	MN	651
US	MN	763
US	MN	952
US	MO	314
US	MO	417
US	MO	573
US	MO	636
US	MO	660
US	MO	816
US	MS	228
US	MS	601
US	MS	662
US	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

Country	Location	NPA
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
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

## ATTACHMENT 2

Country	Location	NPA
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
US	TX	682
US	TX	713
US	TX	806
US	TX	817
US	TX	830
US	TX	832
US	TX	903
US	TX	915

Country	Location	NPA
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	435
US	UT	801
US	VA	276
US	VA	434
US	VA	540
US	VA	571
US	VA	703
US	VA	757
US	VA	804
US	VT	802
US	WA	206
US	WA	253
US	WA	360
US	WA	425
US	WA	509
US	WI	262
US	WI	414
US	WI	608
US	WI	715
US	WI	920
US	WV	304
US	WY	307

Note: All geographic NPAs were in service as of December 31, 2007.

## 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

NPA	Country	Location
281	US	TX
284	British Virgin Islands	British Virgin Islands
289	Canada	Ontario
301	US	MD
302	US	DE
303	US	CO
304	US	WV
305	US	FL
306	Canada	Saskatchewan
307	US	WY
308	US	NE
309	US	IL
310	US	CA
312	US	IL
313	US	MI
314	US	MO
315	US	NY
316	US	KS
317	US	IN
318	US	LA
319	US	IA
320	US	MN
321	US	FL
323	US	CA
325	US	TX
330	US	OH
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
386	US	FL
401	US	RI
402	US	NE
403	Canada	Alberta
404	US	GA
405	US	OK

## ATTACHMENT 3

NPA	Country	Location
406	US	MT
407	US	FL
408	US	CA
409	US	TX
410	US	MD
412	US	PA
413	US	MA
414	US	WI
415	US	CA
416	Canada	Ontario
417	US	MO
418	Canada	Quebec
419	US	OH
423	US	TN
424	US	CA
425	US	WA
430	US	TX
432	US	TX
434	US	VA
435	US	UT
438	Canada	Quebec
440	US	OH
441	Bermuda	Bermuda
443	US	MD
450	Canada	Quebec
469	US	TX
473	Grenada	Grenada
478	US	GA
479	US	AR
480	US	AZ
484	US	PA
501	US	AR
502	US	KY
503	US	OR
504	US	LA
505	US	NM
506	Canada	New Brunswick
507	US	MN
508	US	MA
509	US	WA
510	US	CA
512	US	TX
513	US	OH
514	Canada	Quebec
515	US	IA

NPA	Country	Location
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
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
585	US	NY
586	US	MI
600	Canada	Canada
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

## ATTACHMENT 3

NPA	Country	Location
631	US	NY
636	US	MO
641	US	IA
646	US	NY
647	Canada	Ontario
649	Turks & Caicos Islands	Turks & Caicos Islands
650	US	CA
651	US	MN
660	US	MO
661	US	CA
662	US	MS
664	Montserrat	Montserrat
670	US	CNMI
671	US	Guam
678	US	GA
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
754	US	FL
757	US	VA
758	ST. LUCIA	St. Lucia

NPA	Country	Location
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
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

## ATTACHMENT 3

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

NPA	Country	Location
915	US	TX
916	US	CA
917	US	NY
918	US	OK
919	US	NC
920	US	WI
925	US	CA
928	US	AZ
931	US	TN
936	US	TX
937	US	OH
939	US	Puerto Rico
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, 2007.



## ATTACHMENT 4 – NON-GEOGRAPHIC NPAs IN SERVICE

The table below lists the non-geographic NPAs in service as of December 31, 2007, along with the service for which each is used.

NPA	Service
456	Inbound International
500	Personal Communications Service
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 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 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	510	7D	7D	1+10D	1+10D	
CA	530	7D	7D	1+10D	1+10D	
CA	559	7D	7D	1+10D	1+10D	
CA	562	7D	7D	1+10D	1+10D	
CA	619	7D	7D	1+10D	1+10D	
CA	626	7D	7D	1+10D	1+10D	
CA	650	7D	7D	1+10D	1+10D	
CA	661	7D	7D	1+10D	1+10D	
CA	707	7D	7D	1+10D	1+10D	
CA	714	7D	7D	1+10D	1+10D	
CA	760	7D	7D	1+10D	1+10D	
CA	805	7D	7D	1+10D	1+10D	
CA	818	7D	7D	1+10D	1+10D	
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

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	860	7D	1+10D	10D	1+10D	
DC	202	7D	NA	10D	1+10D	
DE	302	7D	1+10D	10D	1+10D	
FL	239	7D	1+10D	10D	1+10D	
FL	305	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	

## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
IA	641	7D	1+10D	10D	1+10D	
IA	712	7D	1+10D	10D	1+10D	
ID	208	7D	1+10D	7D	1+10D	
IL	217	7D	1+10D	1+10D	1+10D	
IL	224	1+10D	1+10D	1+10D	1+10D	
IL	309	7D	1+10D	1+10D	1+10D	
IL	312	7D	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	7D	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	
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	

## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
MA	781	10D	1+10D	10D	1+10D	
MA	857	10D	1+10D	10D	1+10D	
MA	978	10D	1+10D	10D	1+10D	
MD	240	10D	1+10D	10D	1+10D	
MD	301	10D	1+10D	10D	1+10D	
MD	410	10D	1+10D	10D	1+10D	
MD	443	10D	1+10D	10D	1+10D	
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	

## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
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	
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

## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
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	11
OR	541	7D	1+10D	10D	1+10D	
OR	971	10D	1+10D	10D	1+10D	
PA	215	10D	10D	(see note)	1+10D	12
PA	267	10D	10D	(see note)	1+10D	12
PA	412	10D	10D	(see note)	(see note)	13
PA	484	10D	10D	(see note)	1+10D	12
PA	570	7D	7D	1+10D	1+10D	
PA	610	10D	10D	(see note)	1+10D	12
PA	717	7D	7D	1+10D	1+10D	
PA	724	10D	10D	(see note)	(see note)	13
PA	814	7D	7D	1+10D	1+10D	
PA	878	10D	10D	(see note)	(see note)	13
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	14
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	

## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
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	
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	435	7D	1+10D	7D	1+10D	
UT	801	7D	1+10D	10D	1+10D	
VA	276	7D	1+10D	10D	1+10D	
VA	434	7D	1+10D	10D	1+10D	
VA	540	7D	1+10D	10D	1+10D	
VA	571	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	



## ATTACHMENT 5

Location	NPA	Home NPA Local Calls	Home NPA Toll Calls	Foreign NPA Local Calls	Foreign NPA Toll Calls	Notes
WV	304	7D	1+10D	7D	1+10D	
WY	307	7D	1+10D	7D	1+10D	

## Notes:

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

## ATTACHMENT 6 – 2007 NRUF AND NPA EXHAUST ANALYSIS

NANPA projects NPA exhaust on a semi-annual basis. These projections were produced in April and October 2007. The tables below show the current quarter/year in which each NPA is projected to exhaust, based on analysis performed in October 2007. 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, 2007 for the U.S. and

January 1, 2007 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	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
New Jersey	201/551	2033		4Q	2037		4Q	2035		2Q	2034		4Q	2032		2Q	2031		4Q	-16Q	b
District of Columbia	202	2022		4Q	2019		1Q	2021		2Q	2026		1Q	2025		4Q	2024		2Q	+15Q	a
Connecticut	203	2009		4Q	2009		1Q	2008		4Q	2008		1Q	2007		3Q	2006		4Q	+3Q	a
Canada	204				2016		1Q			2020		2Q									c
Alabama	205	2014		2Q	2013		2Q	2013		2Q	2013		1Q	2012		3Q	2011		4Q	+4Q	a
Washington	206	2021		4Q	2023		1Q	2022		4Q	2024		1Q	2023		4Q	2023		4Q	-5Q	b
Maine	207	2014		4Q	2013		3Q	2013		3Q	2013		3Q	2013		1Q	2012		1Q	+5Q	a
Idaho	208	2011		3Q	2011		2Q	2010		1Q	2010		1Q	2010		4Q	2009		4Q	+1Q	
California	209	2020		4Q	2020		2Q	2020		2Q	2019		4Q	2017		1Q	2016		3Q	+2Q	
Texas	210	2015		1Q	2015		1Q	2015		1Q	2021		1Q	2021		3Q	2024		1Q	N/C	
New York	212/646	2013		3Q	2011		3Q	2010		3Q	2010		2Q	2009		3Q	2010		3Q	+8Q	a
California	213	2033		3Q	2033		2Q	2030		4Q	2028		2Q	2025		1Q	2021		1Q	+1Q	
Texas	214/972/469	2016		2Q	2015		4Q	2015		3Q	2015		1Q	2013		4Q	2012		4Q	+2Q	
Pennsylvania	215/267	2013		3Q	2013		3Q	2013		3Q	2013		1Q	2012		2Q	2012		1Q	N/C	
Ohio	216	2025		2Q	2024		4Q	2022		1Q	2019		3Q	2017		4Q	2016		4Q	+2Q	
Illinois	217	2010		3Q	2009		3Q	2008		4Q	2008		4Q	2008		4Q	2008		4Q	+4Q	a
Minnesota	218	2016		2Q	2016		4Q	2016		4Q	2016		1Q	2015		2Q	2014		2Q	-2Q	
Indiana	219	2027		2Q	2025		4Q	2023		4Q	2022		4Q	2021		1Q	2019		2Q	+6Q	a
Louisiana	225	2026		2Q	2023		2Q	2022		4Q	2022		2Q	2025		4Q	2025		4Q	+12Q	a
Mississippi	228	2036		2Q	2034		1Q	2032		1Q	2031		4Q	2031		4Q	2030		4Q	+9Q	a
Georgia	229	2020		4Q	2019		4Q	2017		2Q	2017		1Q	2014		1Q	2013		3Q	+4Q	a
Michigan	231	2022		3Q	2021		1Q	2020		3Q	2018		3Q	2017		1Q	2016		3Q	+6Q	a
Florida	239	2025		3Q	2024		2Q	2021		4Q	2021		3Q	2019		4Q	2019		2Q	+5Q	a
Michigan	248/947	2030		1Q	2026		3Q	2024		4Q	2024		4Q	2033		2Q	2033		3Q	+14Q	a
Canada	250	2007		4Q	2007		4Q	2008		1Q	2010		2Q				2009		4Q	N/C	c
Alabama	251	2026		4Q	2026		2Q	2026		1Q	2025		4Q	2024		3Q	2023		4Q	+2Q	
North Carolina	252	2015		3Q	2016		3Q	2017		2Q	2017		1Q	2016		2Q	2015		2Q	-4Q	b
Washington	253	2025		2Q	2025		1Q	2023		1Q	2022		3Q	2022		2Q	2021		4Q	+1Q	
Texas	254	2018		2Q	2017		4Q	2017		3Q	2017		3Q	2016		2Q	2018		3Q	+2Q	
Alabama	256	2010	R	4Q	2010		4Q	2010		3Q	2010		3Q	2010		1Q	2009		3Q	N/C	
Indiana	260	2028		2Q	2025		4Q	2024		3Q	2024		1Q	2020		4Q	2020		2Q	+10Q	a
Wisconsin	262	2020		2Q	2018		2Q	2017		4Q	2017		2Q	2016		2Q	2015		3Q	+8Q	a
Michigan	269	2023		2Q	2023		1Q	2022		4Q	2022		2Q	2022		1Q	2021		3Q	+1Q	
Kentucky	270	2009	R	2Q	2008	R	4Q	2008	R	3Q	2009		1Q	2008		2Q	2008		2Q	+2Q	l
Virginia	276	2045		4Q	2039		4Q	2037		2Q	2036		3Q	2031		2Q	2028		2Q	+24Q	a
Canada	289/905				2016		2Q			2021		4Q					2022		4Q		c

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Maryland	301/240	2015		3Q	2014		3Q	2014		3Q	2014		3Q	2013		4Q	2012		4Q	+4Q	a
Delaware	302	2021		3Q	2021		1Q	2019		4Q	2019		3Q	2019		1Q	2018		1Q	+2Q	
Colorado	303/720	2022		4Q	2022		2Q	2022		2Q	2021		1Q	2020		2Q	2019		2Q	+2Q	
West Virginia	304	2008		4Q	2008		3Q	2007		3Q	2007		3Q	2007		2Q	2007		2Q	+1Q	
Florida	305/786	2019		3Q	2019		1Q	2019		3Q	2019		3Q	2019		3Q	2019		1Q	+2Q	h
Florida	305A	2010		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	+4Q	a, h
Canada	306				2019		4Q				2028		2Q								c
Wyoming	307	2025		1Q	2024		1Q	2023		1Q	2022		4Q	2022		3Q	2022		2Q	+4Q	a
Nebraska	308	2030		3Q	2029		3Q	2029		3Q	2028		3Q	2026		3Q	2026		3Q	+4Q	a
Illinois	309	2012		4Q	2011		3Q	2010		3Q	2010		4Q	2011		2Q	2012		2Q	+5Q	a
California	310/424	2021		4Q	2021		3Q	2026		2Q	EXH			2005	R	4Q	2005	R	4Q	+1Q	
Illinois	312	2016		3Q	2015		4Q	2015		2Q	2014		4Q	2014		3Q	2013		1Q	+3Q	a
Michigan	313	2015		4Q	2015		4Q	2016		3Q	2017		3Q	2016		4Q	2016		4Q	N/C	
Missouri	314	2015		4Q	2015		2Q	2014		2Q	2013		4Q	2013		2Q	2012		4Q	+2Q	
New York	315	2010		3Q	2010		3Q	2011		1Q	2011		1Q	2010		3Q	2010		3Q	N/C	
Kansas	316	2034		4Q	2031		3Q	2031		1Q	2028		1Q	2025		1Q	2025		1Q	+13Q	a
Indiana	317	2013		3Q	2013		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
Louisiana	318	2014		2Q	2013		2Q	2012		3Q	2012		1Q	2009		3Q	2009		2Q	+4Q	a
Iowa	319	2016		4Q	2021		4Q	2026		3Q	2035		4Q	2033		1Q	2032		4Q	-20Q	b
Minnesota	320	2020		3Q	2019		3Q	2018		2Q	2019		3Q	2019		3Q	2019		2Q	+4Q	a
Florida	321A	2029		1Q	2026		3Q	2026		1Q	2025		3Q	2024		4Q	2024		4Q	+10Q	a, g
California	323	2012		3Q	2013		2Q	2013		2Q	2012		4Q	2012		3Q	2012		1Q	-3Q	b
Texas	325	2026		3Q	2023		3Q	2023		1Q	2020		2Q	2019		2Q	2018		3Q	+12Q	a
Ohio	330/234	2028		4Q	2028		3Q	2028		2Q	2027		4Q	2026		3Q	2026		3Q	+1Q	
Alabama	334	2013		2Q	2012		4Q	2013		4Q	2014		4Q	2013		3Q	2013		1Q	+2Q	
North Carolina	336	2012		3Q	2012		1Q	2012		1Q	2011		3Q	2011		1Q	2010		4Q	+2Q	
Louisiana	337	2016		4Q	2015		4Q	2015		4Q	2014		2Q	2013		3Q	2013		3Q	+4Q	a
Virgin Islands	340	2130		3Q	2130		3Q	2130		1Q	2129		3Q	2128		2Q	2107		2Q	N/C	
Florida	352	2018		2Q	2017		2Q	2017		2Q	2016		4Q	2016		4Q	2016		2Q	+4Q	a
Washington	360	2011		3Q	2010		4Q	2010		1Q	2010		1Q	2007		3Q	2007		3Q	+3Q	a
Texas	361	2015		4Q	2015		2Q	2015		3Q	2015		1Q	2013		4Q	2012		4Q	+2Q	
Florida	386	2028		1Q	2027		3Q	2027		3Q	2027		2Q	2026		4Q	2026		3Q	+2Q	
Rhode Island	401	2018		1Q	2016		4Q	2016		1Q	2015		4Q	2015		2Q	2014		3Q	+5Q	a
Nebraska	402	2009		4Q	2009		3Q	2009		1Q	2008		2Q	2007		2Q	2006		4Q	+1Q	
Canada	403	2008		3Q	2008		4Q	2009		4Q	2011		1Q				2011		3Q	-1Q	c
Georgia	404	2013		2Q	2012		4Q	2012		3Q	2012		1Q	2011		2Q	2011		1Q	+2Q	
Oklahoma	405	2016		3Q	2015		3Q	2015		2Q	2015		1Q	2014		4Q	2013		4Q	+4Q	a
Montana	406	2011		2Q	2011		1Q	2010		4Q	2011		3Q	2011		2Q	2010		1Q	+1Q	
Florida	407/321	2010		3Q	2010		1Q	2010		2Q	2010		1Q	2009		4Q	2009		4Q	+2Q	
California	408	2011		2Q	2010		3Q	2010		3Q	2010		2Q	2009		4Q	2009	R	4Q	+3Q	a
Texas	409	2026		3Q	2024		4Q	2023		4Q	2021		4Q	2019		4Q	2018		4Q	+7Q	a
Maryland	410/443	2010		4Q	2009		4Q	2009		4Q	2009		4Q	2009		3Q	2008		2Q	+4Q	a
Pennsylvania	412/878/724	2025		3Q	2025		1Q	2024		1Q	2023		4Q	2023		3Q	2023		2Q	+2Q	

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Massachusetts	413	2020		4Q	2019		2Q	2018		4Q	2017		4Q	2016		3Q	2015		3Q	+6Q	a
Wisconsin	414	2028		3Q	2025		2Q	2023		4Q	2023		2Q	2020		4Q	2019		3Q	+13Q	a
California	415	2013		3Q	2012		3Q	2012		1Q	2010	R	2Q	2010	R	2Q	2009	R	4Q	+4Q	a
Canada	416/647				2017		2Q				2016		2Q				2018		1Q		c
Missouri	417	2011		3Q	2011		1Q	2011		1Q	2010		2Q	2009		2Q	2009		2Q	+2Q	
Canada	418	2008		3Q	2007		4Q				2013		4Q				2015		2Q	+3Q	c
Ohio	419/567	2021		2Q	2020		3Q	2019		3Q	2019		1Q	2018		1Q	2017		4Q	+3Q	a
Tennessee	423	2016		2Q	2015		3Q	2015		3Q	2015		3Q	2014		1Q	2014		1Q	+3Q	a
Washington	425	2031		1Q	2027		3Q	2025		3Q	2025		1Q	2030		1Q	2030		1Q	+14Q	a
Texas	432	2029		4Q	2028		1Q	2027		1Q	2026		3Q	2024		3Q	2024		3Q	+7Q	a
Virginia	434	2032		2Q	2029		4Q	2028		2Q	2027		3Q	2026		1Q	2025		3Q	+10Q	a
Utah	435	2024		4Q	2023		3Q	2022		2Q	2021		2Q	2021		2Q	2020		4Q	+5Q	a
Ohio	440	2017		3Q	2016		3Q	2015		3Q	2015		2Q	2014		1Q	2013		3Q	+4Q	a
Canada	450	2013		4Q	2012		4Q				2019		4Q				2027		4Q	+4Q	a, c, k
Georgia	478	2029		3Q	2029		2Q	2029		1Q	2028		3Q	2026		1Q	2025		4Q	+1Q	
Arkansas	479	2026		4Q	2026		3Q	2026		3Q	2025		1Q	2025		1Q	2024		4Q	+1Q	
Arizona	480	2020		4Q	2020		4Q	2020		4Q	2021		2Q	2020		4Q	2020		4Q	N/C	
Arkansas	501	2020		4Q	2020		2Q	2019		2Q	2019		1Q	2018		3Q	2018		3Q	+2Q	
Kentucky	502	2017		3Q	2017		1Q	2016		3Q	2016		3Q	2015		2Q	2014		4Q	+2Q	
Oregon	503/971	2029		3Q	2028		3Q	2028		2Q	2027		3Q	2026		4Q	2026		4Q	+4Q	a
Oregon	503A	2008		4Q	2008		4Q	2008		4Q	2009		3Q	2011		3Q	2011		3Q	N/C	j
Louisiana	504	2023		3Q	2022		2Q	2021		4Q	2021		3Q	2021		1Q	2021		1Q	+5Q	a
New Mexico	505	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2008		4Q	N/C	
Canada	506				2021		1Q				2019		3Q								c
Minnesota	507	2012		3Q	2012		1Q	2012		1Q	2012		4Q	2012		4Q	2012		2Q	+2Q	
Massachusetts	508/774	2016		3Q	2015		1Q	2014		2Q	2013		4Q	2012		3Q	2012		1Q	+6Q	a
Washington	509	2013		1Q	2012		3Q	2012		1Q	2011		3Q	2011		3Q	2011		1Q	+2Q	
California	510	2013	R	1Q	2012	R	3Q	2012	R	2Q	2011	R	3Q	2011		1Q	2010	R	3Q	+2Q	l
Texas	512	2011		3Q	2011		1Q	2010		4Q	2011		4Q	2011		3Q	2011		2Q	+2Q	
Ohio	513	2015		4Q	2015		1Q	2014		4Q	2014		3Q	2013		4Q	2013		2Q	+3Q	a
Canada	514/438							2008		4Q							2009		1Q		c
Iowa	515	2016		3Q	2017		3Q	2020		4Q	2024		2Q	2023		2Q	2022		4Q	-4Q	b
New York	516	2014		4Q	2013		4Q	2012		4Q	2012		3Q	2012		3Q	2012		2Q	+4Q	a
Michigan	517	2016		3Q	2015		3Q	2014		4Q	2014		1Q	2013		3Q	2012		2Q	+4Q	a
New York	518	2012		4Q	2012		2Q	2012		2Q	2011		3Q	2011		3Q	2011		3Q	+2Q	
Canada	519/226				2021		1Q										2007		4Q		c
Arizona	520	2025		1Q	2025		1Q	2023		4Q	2023		2Q	2021		2Q	2020		4Q	N/C	
California	530	2015		4Q	2015		1Q	2015		1Q	2014		1Q	2013	R	2Q	2013	R	1Q	+3Q	a
Virginia	540	2016		1Q	2015		1Q	2014		3Q	2014		2Q	2012		3Q	2012		1Q	+4Q	a
Oregon	541	2011		1Q	2010		4Q	2010		3Q	2010		2Q	2010		2Q	2010		1Q	+1Q	
California	559	2016	R	3Q	2016	R	2Q	2016	R	1Q	2015	R	3Q	2015	R	2Q	2015	R	1Q	+1Q	l
Florida	561	2018		1Q	2017		4Q	2017		2Q	2017		2Q	2018		1Q	2016		2Q	+1Q	
California	562	2020		2Q	2020		2Q	2019		2Q	2019		2Q	2016	R	3Q	2015		4Q	N/C	

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LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Iowa	563	2027		3Q	2025		1Q	2025		1Q	2035		3Q	2034		4Q	2034		4Q	+10Q	a
Pennsylvania	570	2011		3Q	2011		2Q	2011		1Q	2011		1Q	2010		1Q	2009		3Q	+1Q	
Missouri	573	2012		1Q	2011		3Q	2011		2Q	2010		4Q	2010		1Q	2009		1Q	+2Q	
Indiana	574	2028		4Q	2026		3Q	2026		3Q	2026		1Q	2025		3Q	2025		3Q	+9Q	a
Oklahoma	580	2012		1Q	2011		1Q	2010		2Q	2009		4Q	2008		4Q	2007		1Q	+4Q	a
New York	585	2017		4Q	2017		4Q	2017		4Q	2016		4Q	2016		1Q	2015		4Q	N/C	
Michigan	586	2025		4Q	2024		1Q	2023		4Q	2023		2Q	2022		3Q	2022		2Q	+7Q	a
Mississippi	601/769	2030		4Q	2030		2Q	2030		2Q	2030		2Q	2030		1Q	2032		2Q	+2Q	
Arizona	602	2018		3Q	2018		3Q	2018		3Q	2018		1Q	2017		2Q	2016		4Q	N/C	
New Hampshire	603	2010		4Q	2010		2Q	2010		2Q	2009		2Q	2009		1Q	2008		1Q	+2Q	
Canada	604	2011		3Q																	c
South Dakota	605	2014		4Q	2014		1Q	2014		1Q	2013		4Q	2012		4Q	2012		4Q	+3Q	a
Kentucky	606	2018		4Q	2017		4Q	2016		4Q	2015		3Q	2014		2Q	2014		1Q	+4Q	a
New York	607	2020		2Q	2021		4Q	2020		4Q	2019		3Q	2017		2Q	2017		1Q	-6Q	b
Wisconsin	608	2016		3Q	2015		4Q	2015		4Q	2014		4Q	2013		3Q	2012		3Q	+3Q	a
New Jersey	609	2012		3Q	2011		2Q	2010		4Q	2010		1Q	2009		3Q	2009		1Q	+5Q	a
Pennsylvania	610/484	2012		3Q	2012		3Q	2011		3Q	2011		3Q	2011		1Q	2009		2Q	N/C	
Minnesota	612	2024		3Q	2024		1Q	2023		3Q	2022		3Q	2021		4Q	2021		4Q	+2Q	
Canada	613	2011		3Q	2012		2Q	2012		1Q	2014		2Q				2015		4Q	-3Q	b, c, k
Ohio	614	2016		1Q	2015		4Q	2015		2Q	2014		4Q	2013		3Q	2013		2Q	+1Q	
Tennessee	615	2013		1Q	2012		4Q	2012		3Q	2012		3Q	2012		2Q	2011		4Q	+1Q	
Michigan	616	2023		1Q	2021		2Q	2020		2Q	2019		2Q	2018		4Q	2017		4Q	+7Q	a
Massachusetts	617/857	2026		3Q	2025		4Q	2024		4Q	2024		2Q	2024		1Q	2023		4Q	+3Q	a
Illinois	618	2010		3Q	2010		1Q	2009	R	4Q	2009		2Q	2008		4Q	2008		2Q	+2Q	
California	619	2013		3Q	2013		2Q	2015		2Q	2015	R	2Q	2015	R	2Q	2014	R	3Q	+1Q	
Kansas	620	2014		2Q	2013		4Q	2013		4Q	2013		1Q	2013		1Q	2012		4Q	+2Q	
Arizona	623	2035		2Q	2034		4Q	2034		4Q	2031		3Q	2029		3Q	2029		2Q	+2Q	
California	626	2018	R	4Q	2017	R	4Q	2017	R	4Q	2017	R	1Q	2016	R	4Q	2015	R	4Q	+4Q	a, l
Illinois	630/331	2032		3Q	2007		2Q	2006		4Q	2006		3Q	2006		2Q	2006		1Q	+101Q	f
New York	631	2012		1Q	2011		2Q	2010		4Q	2010		2Q	2009		2Q	2009		2Q	+3Q	a
Missouri	636	2028		1Q	2027		3Q	2025		2Q	2024		4Q	2023		2Q	2023		2Q	+2Q	
Iowa	641	2016		4Q	2017		3Q	2018		3Q	2023		4Q	2022		2Q	2022		2Q	-3Q	b
California	650	2017		3Q	2015		4Q	2015		4Q	2014		4Q	2013	R	3Q	2013	R	2Q	+7Q	a
Minnesota	651	2025		3Q	2025		3Q	2024		4Q	2024		2Q	2021		1Q	2020		2Q	N/C	
Missouri	660	2016		3Q	2015		3Q	2015		2Q	2015		2Q	2015		1Q	2014		3Q	+4Q	a
California	661	2017		4Q	2016		4Q	2015		4Q	2014		4Q	2014		2Q	2013		4Q	+4Q	a
Mississippi	662	2011		1Q	2010		2Q	2010		1Q	2009		4Q	2008		4Q	2008		4Q	+3Q	a
CNMI	670	2320		3Q	2320		1Q	2320		1Q	2319		3Q	2319		1Q	2319		4Q	+2Q	
Guam	671	2297		3Q	2297		1Q	2297		1Q	2296		3Q	2296		1Q	2296		2Q	+2Q	
American Samoa	684	2076		3Q	2076		3Q	2070		1Q	2068		4Q	2068		4Q	2068		4Q	N/C	
North Dakota	701	2013		3Q	2013		2Q	2013		3Q	2013		2Q	2012		4Q	2012		2Q	+1Q	
Nevada	702	2013		2Q	2013		2Q	2013		1Q	2013		2Q	2015		3Q	2016		1Q	N/C	
Virginia	703/571	2021		3Q	2020		3Q	2020		3Q	2020		1Q	2019		3Q	2019		3Q	+4Q	a

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LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes							
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr									
North Carolina	704/980	2024		2Q	2023		4Q		2024		2Q		2031		2Q		2030		4Q		2030		4Q		+2Q			
Canada	705	2015		2Q	2013		1Q						2023		3Q										+9Q	a, c, k		
Georgia	706/762	2025		2Q	2024		1Q		2024		1Q		2023		3Q		2006		4Q		2006		2Q		+5Q	a		
California	707	2014		1Q	2013		2Q		2012		4Q		2012		4Q		2012		R	1Q		2011		R	3Q	+3Q	a	
Illinois	708	2011		4Q	2011		1Q		2010		4Q		2010		3Q		2010		1Q		2009		4Q		+3Q	a		
Canada	709				2027		1Q						2030		3Q												c	
Iowa	712	2018		1Q	2018		3Q		2019		3Q		2021		1Q		2020		1Q		2019		4Q		-2Q			
Texas	713/281/832	2012		3Q	2012		2Q		2012		1Q		2012		1Q		2012		1Q		2011		4Q		+1Q			
California	714	2008		2Q	2008		2Q		2008		R	4Q		2008		R	4Q		2008		R	4Q		2008		R	2Q	N/C
Wisconsin	715	2010		3Q	2009		4Q		2010		1Q		2009		4Q		2009		3Q		2007		4Q		+3Q	a		
New York	716	2015		3Q	2015		1Q		2015		1Q		2014		4Q		2014		1Q		2013		4Q		+2Q			
Pennsylvania	717	2013		1Q	2012		1Q		2012		1Q		2011		3Q		2010		3Q		2009		4Q		+4Q	a		
New York	718/347	2011		3Q	2012		3Q		2013		1Q		2013		2Q		2013		2Q		2014		2Q		-4Q	b		
Colorado	719	2021		2Q	2022		4Q		2021		3Q		2021		2Q		2020		4Q		2020		3Q		-6Q	b		
Florida	727	2023		3Q	2021		1Q		2019		2Q		2018		1Q		2017		3Q		2017		2Q		+10Q	a		
Tennessee	731	2022		4Q	2021		3Q		2021		3Q		2021		1Q		2018		1Q		2017		3Q		+5Q	a		
New Jersey	732/848	2027		3Q	2025		1Q		2024		1Q		2023		3Q		2023		1Q		2022		3Q		+10Q	a		
Michigan	734	2015		4Q	2015		1Q		2014		3Q		2014		3Q		2014		3Q		2014		1Q		+3Q	a		
Ohio	740	2010		4Q	2010		2Q		2009		3Q		2009		3Q		2008		4Q		2008		1Q		+2Q			
Virginia	757	2012		4Q	2011		4Q		2011		3Q		2011		3Q		2011		1Q		2010		2Q		+4Q	a		
California	760	2009		R	3Q		2009		R	3Q		2009		R	3Q		2009		R	1Q		2008		R	4Q	N/C	l	
Minnesota	763	2029		3Q	2029		3Q		2029		1Q		2028		3Q		2025		1Q		2023		1Q		N/C			
Indiana	765	2014		1Q	2012		4Q		2012		1Q		2011		2Q		2010		3Q		2010		2Q		+5Q	a		
Georgia	770/678/470	2021		2Q	2020		3Q		2020		2Q		2019		4Q		2019		3Q		2019		2Q		+3Q	a		
Florida	772	2033		3Q	2031		3Q		2030		4Q		2030		2Q		2029		1Q		2028		3Q		+8Q	a		
Illinois	773	2009		1Q	2009		2Q		2009		2Q		2009		2Q		2009		1Q		2009		1Q		-1Q			
Nevada	775	2021		4Q	2020		3Q		2020		3Q		2019		2Q		2017		3Q		2017		1Q		+5Q	a		
Canada	778	2019		1Q	2025		3Q						2023		2Q						2020		3Q		-26Q	c		
Canada	780	2009		3Q	2009		1Q		2010		4Q		2013		1Q						2015		1Q		+2Q	c		
Massachusetts	781/339	2029		1Q	2027		1Q		2025		1Q		2024		3Q		2021		4Q		2020		3Q		+8Q	a		
Kansas	785	2015		1Q	2014		1Q		2014		4Q		2013		4Q		2012		4Q		2012		4Q		+4Q	a		
Puerto Rico	787/939	2026		3Q	2026		3Q		2026		3Q		2026		1Q		2025		4Q		2025		3Q		N/C			
Utah	801	2009		2Q	2009		2Q		2009		2Q		2008		4Q		2008		4Q		2008		2Q		N/C			
Vermont	802	2015		3Q	2014		4Q		2014		3Q		2014		2Q		2013		1Q		2012		4Q		+3Q	a		
South Carolina	803	2013		1Q	2012		3Q		2012		4Q		2012		2Q		2012		1Q		2011		3Q		+2Q			
Virginia	804	2016		4Q	2015		4Q		2015		2Q		2015		1Q		2014		4Q		2014		3Q		+4Q	a		
California	805	2012		3Q	2012		1Q		2011		4Q		2011		3Q		2011		R	3Q		2011		R	2Q	+2Q		
Texas	806	2016		2Q	2015		3Q		2015		4Q		2015		4Q		2015		2Q		2014		4Q		+3Q	a		
Canada	807																										c, d	
Hawaii	808	2020		3Q	2019		3Q		2019		3Q		2019		2Q		2017		4Q		2016		4Q		+4Q	a		
Michigan	810	2024		3Q	2022		3Q		2021		3Q		2021		2Q		2020		3Q		2019		3Q		+8Q	a		
Indiana	812	2011		1Q	2010		2Q		2010		1Q		2009		4Q		2009		1Q		2008		4Q		+3Q	a		
Florida	813	2016		4Q	2016		2Q		2016		2Q		2016		2Q		2016		2Q		2016		2Q		+2Q			

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LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Pennsylvania	814	2012		2Q	2012		1Q	2011		3Q	2011		1Q	2010		3Q	2010		1Q	+1Q	
Illinois	815/779	2033		2Q	2032		4Q	2032		4Q	2006		4Q	2006		3Q	2006		2Q	+2Q	
Missouri	816	2015		3Q	2015		3Q	2015		3Q	2014		3Q	2014		1Q	2013		3Q	N/C	
Texas	817/682	2025		3Q	2024		3Q	2024		3Q	2024		3Q	2020		3Q	2019		4Q	+4Q	a
California	818	2009		3Q	2009		3Q	2010	R	3Q	2010	R	2Q	2009	R	4Q	2009	R	1Q	N/C	
Canada	819				2014		3Q	2021		1Q	2027		3Q				2027		3Q		c
North Carolina	828	2014		4Q	2014		1Q	2013		3Q	2012		4Q	2012		2Q	2011		2Q	+3Q	a
Texas	830	2017		4Q	2016		4Q	2015		4Q	2015		1Q	2014		3Q	2013		2Q	+4Q	a
California	831	2030		1Q	2027		3Q	2026		2Q	2026		2Q	2024		2Q	2024		1Q	+10Q	a
South Carolina	843	2011		1Q	2011		2Q	2011		2Q	2010		4Q	2010		2Q	2009		4Q	-1Q	
New York	845	2014		4Q	2012		4Q	2012		2Q	2011		4Q	2010		4Q	2010		3Q	+8Q	a
Illinois	847/224	2019		4Q	2019		1Q	2018		1Q	2017		4Q	2017		3Q	2017		3Q	+3Q	a
Florida	850	2011		4Q	2011		1Q	2010		4Q	2010		3Q	2010		3Q	2010		1Q	+3Q	a
New Jersey	856	2018		2Q	2017		2Q	2016		2Q	2015		4Q	2015		2Q	2014		3Q	+4Q	a
California	858	2026		2Q	2024		1Q	2023		1Q	2022		3Q	2020		3Q	2019		2Q	+9Q	a
Kentucky	859	2022		3Q	2020		3Q	2019		3Q	2018		3Q	2017		2Q	2016		2Q	+8Q	a
Connecticut	860	2010		3Q	2009		4Q	2009		3Q	2009		2Q	2009		1Q	2009		1Q	+3Q	a
Florida	863	2025		2Q	2023		3Q	2022		2Q	2021		4Q	2020		2Q	2019		2Q	+7Q	a
South Carolina	864	2015		3Q	2015		1Q	2015		1Q	2015		1Q	2014		2Q	2014		2Q	+2Q	
Tennessee	865	2025		2Q	2024		4Q	2024		4Q	2024		3Q	2022		3Q	2022		3Q	+2Q	
Canada	867																				c, d
Arkansas	870	2010		2Q	2010		1Q	2010		1Q	2009		3Q	2008		4Q	2009		2Q	+1Q	
Tennessee	901	2021		4Q	2020		3Q	2020		3Q	2020		1Q	2018		3Q	2017		3Q	+5Q	a
Canada	902				2013		4Q				2015		1Q				2015		4Q	N/C	c
Texas	903/430	2024		3Q	2023		3Q	2023		1Q	2022		3Q	2022		3Q	2021		3Q	+4Q	a
Florida	904	2017		3Q	2016		3Q	2015		4Q	2016		1Q	2016		1Q	2017		1Q	+4Q	a
Michigan	906	2031		3Q	2028		1Q	2025		1Q	2023		3Q	2022		3Q	2021		3Q	+14Q	a
Alaska	907	2013		2Q	2013		4Q	2016		2Q	2018		4Q	2017		2Q	2017		2Q	-2Q	
New Jersey	908	2015		3Q	2014		1Q	2013		2Q	2012		1Q	2011		1Q	2010		2Q	+6Q	a
California	909	2013		4Q	2013		4Q	2013		2Q	2013		3Q	2013		3Q	2013		3Q	N/C	
North Carolina	910	2012		4Q	2012		3Q	2012		3Q	2012		1Q	2011		2Q	2011		1Q	+1Q	
Georgia	912	2021		2Q	2021		1Q	2020		1Q	2018		4Q	2017		3Q	2017		3Q	+1Q	
Kansas	913	2029		3Q	2026		3Q	2025		3Q	2024		1Q	2022		1Q	2020		4Q	+12Q	a
New York	914	2017		4Q	2016		2Q	2015		3Q	2015		2Q	2014		4Q	2013		4Q	+6Q	a
Texas	915	2031		1Q	2027		3Q	2026		3Q	2025		2Q	2022		4Q	2021		1Q	+14Q	a
California	916	2015		3Q	2015		1Q	2014		1Q	2013		2Q	2013	R	1Q	2012	R	3Q	+2Q	
New York	917																				e
Oklahoma	918	2011		1Q	2010		4Q	2010		2Q	2010		1Q	2009		4Q	2009		1Q	+1Q	
North Carolina	919/984	2038		4Q	2038		2Q	2035		4Q	2035		2Q	2033		4Q	2033		4Q	+2Q	
Wisconsin	920	2011		2Q	2010		2Q	2010		2Q	2009		4Q	2008		4Q	2008		2Q	+4Q	a
California	925	2021		4Q	2019		3Q	2017		4Q	2016		1Q	2015	R	4Q	2015	R	1Q	+9Q	a

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Arizona	928	2021		2Q	2022		2Q	2021		4Q	2021		3Q	2021		3Q	2021		3Q	-4Q	b
Tennessee	931	2021		2Q	2019		4Q	2018		4Q	2017		4Q	2016		4Q	2015		4Q	+6Q	a
Texas	936	2026		3Q	2024		2Q	2023		2Q	2022		4Q	2021		2Q	2020		4Q	+9Q	a
Ohio	937	2011		3Q	2011		3Q	2011		1Q	2010		2Q	2009		3Q	2009		2Q	N/C	
Texas	940	2025		4Q	2024		1Q	2023		1Q	2022		3Q	2020		4Q	2020		3Q	+7Q	a
Florida	941	2027		2Q	2024		4Q	2022		4Q	2022		2Q	2021		4Q	2020		4Q	+10Q	a
California	949	2024		1Q	2022		2Q	2021		2Q	2020	R	2Q	2019	R	4Q	2019	R	1Q	+7Q	a
California	951	2019		3Q	2018		4Q	2019		3Q	2019		4Q	2019		4Q	2019		3Q	+3Q	a
Minnesota	952	2027		1Q	2026		2Q	2025		2Q	2023		4Q	2022		3Q	2021		3Q	+3Q	a
Florida	954/754	2030		4Q	2030		1Q	2028		4Q	2028		4Q	2026		3Q	2023		2Q	+3Q	a
Texas	956	2016		2Q	2017		3Q	2017		3Q	2016		4Q	2015		4Q	2014		4Q	-5Q	b
Colorado	970	2014		4Q	2015		1Q	2014		3Q	2013		3Q	2012		4Q	2012		4Q	-1Q	
New Jersey	973/862	2022		3Q	2022		1Q	2021		2Q	2021		2Q	2020		4Q	2020		4Q	+2Q	
Massachusetts	978/351	2031		3Q	2028		2Q	2026		2Q	2025		2Q	2023		3Q	2022		1Q	+13Q	a
Texas	979	2027		1Q	2024		3Q	2022		3Q	2021		2Q	2016		4Q	2015		2Q	+10Q	a
Louisiana	985	2027		4Q	2024		4Q	2022		4Q	2022		2Q	2022		2Q	2019		4Q	+12Q	a
Michigan	989	2012		3Q	2011		4Q	2011		2Q	2010		3Q	2009		3Q	2008		4Q	+3Q	a

## NPA exhaust forecasts sorted by location:

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Alabama	205	2014		2Q	2013		2Q	2013		2Q	2013		1Q	2012		3Q	2011		4Q	+4Q	a
Alabama	251	2026		4Q	2026		2Q	2026		1Q	2025		4Q	2024		3Q	2023		4Q	+2Q	
Alabama	256	2010	R	4Q	2010		4Q	2010		3Q	2010		3Q	2010		1Q	2009		3Q	N/C	
Alabama	334	2013		2Q	2012		4Q	2013		4Q	2014		4Q	2013		3Q	2013		1Q	+2Q	
Alaska	907	2013		2Q	2013		4Q	2016		2Q	2018		4Q	2017		2Q	2017		2Q	-2Q	
American Samoa	684	2076		3Q	2076		3Q	2070		1Q	2068		4Q	2068		4Q	2068		4Q	N/C	
Arizona	480	2020		4Q	2020		4Q	2020		4Q	2021		2Q	2020		4Q	2020		4Q	N/C	
Arizona	520	2025		1Q	2025		1Q	2023		4Q	2023		2Q	2021		2Q	2020		4Q	N/C	
Arizona	602	2018		3Q	2018		3Q	2018		3Q	2018		1Q	2017		2Q	2016		4Q	N/C	
Arizona	623	2035		2Q	2034		4Q	2034		4Q	2031		3Q	2029		3Q	2029		2Q	+2Q	
Arizona	928	2021		2Q	2022		2Q	2021		4Q	2021		3Q	2021		3Q	2021		3Q	-4Q	b
Arkansas	479	2026		4Q	2026		3Q	2026		3Q	2025		1Q	2025		1Q	2024		4Q	+1Q	
Arkansas	501	2020		4Q	2020		2Q	2019		2Q	2019		1Q	2018		3Q	2018		3Q	+2Q	
Arkansas	870	2010		2Q	2010		1Q	2010		1Q	2009		3Q	2008		4Q	2009		2Q	+1Q	
California	209	2020		4Q	2020		2Q	2020		2Q	2019		4Q	2017		1Q	2016		3Q	+2Q	
California	213	2033		3Q	2033		2Q	2030		4Q	2028		2Q	2025		1Q	2021		1Q	+1Q	
California	323	2012		3Q	2013		2Q	2013		2Q	2012		4Q	2012		3Q	2012		1Q	-3Q	b
California	408	2011		2Q	2010		3Q	2010		3Q	2010		2Q	2009		4Q	2009	R	4Q	+3Q	a
California	415	2013		3Q	2012		3Q	2012		1Q	2010	R	2Q	2010	R	2Q	2009	R	4Q	+4Q	a
California	510	2013	R	1Q	2012	R	3Q	2012	R	2Q	2011	R	3Q	2011		1Q	2010	R	3Q	+2Q	l
California	530	2015		4Q	2015		1Q	2015		1Q	2014		1Q	2013	R	2Q	2013	R	1Q	+3Q	a



## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
California	559	2016	R	3Q	2016	R	2Q	2016	R	1Q	2015	R	3Q	2015	R	2Q	2015	R	1Q	+1Q	l
California	562	2020		2Q	2020		2Q	2019		2Q	2019		2Q	2016	R	3Q	2015		4Q	N/C	
California	619	2013		3Q	2013		2Q	2015		2Q	2015	R	2Q	2015	R	2Q	2014	R	3Q	+1Q	
California	626	2018	R	4Q	2017	R	4Q	2017	R	4Q	2017	R	1Q	2016	R	4Q	2015	R	4Q	+4Q	a, l
California	650	2017		3Q	2015		4Q	2015		4Q	2014		4Q	2013	R	3Q	2013	R	2Q	+7Q	a
California	661	2017		4Q	2016		4Q	2015		4Q	2014		4Q	2014		2Q	2013		4Q	+4Q	a
California	707	2014		1Q	2013		2Q	2012		4Q	2012		4Q	2012	R	1Q	2011	R	3Q	+3Q	a
California	714	2008		2Q	2008		2Q	2008	R	4Q	2008	R	4Q	2008	R	4Q	2008	R	2Q	N/C	
California	760	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	3Q	2009	R	1Q	2008	R	4Q	N/C	l
California	805	2012		3Q	2012		1Q	2011		4Q	2011		3Q	2011	R	3Q	2011	R	2Q	+2Q	
California	818	2009		3Q	2009		3Q	2010	R	3Q	2010	R	2Q	2009	R	4Q	2009	R	1Q	N/C	
California	831	2030		1Q	2027		3Q	2026		2Q	2026		2Q	2024		2Q	2024		1Q	+10Q	a
California	858	2026		2Q	2024		1Q	2023		1Q	2022		3Q	2020		3Q	2019		2Q	+9Q	a
California	909	2013		4Q	2013		4Q	2013		2Q	2013		3Q	2013		3Q	2013		3Q	N/C	
California	916	2015		3Q	2015		1Q	2014		1Q	2013		2Q	2013	R	1Q	2012	R	3Q	+2Q	
California	925	2021		4Q	2019		3Q	2017		4Q	2016		1Q	2015	R	4Q	2015	R	1Q	+9Q	a
California	949	2024		1Q	2022		2Q	2021		2Q	2020	R	2Q	2019	R	4Q	2019	R	1Q	+7Q	a
California	951	2019		3Q	2018		4Q	2019		3Q	2019		4Q	2019		4Q	2019		3Q	+3Q	a
California	310/424	2021		4Q	2021		3Q	2026		2Q	EXH			2005	R	4Q	2005	R	4Q	+1Q	
Canada	204				2016		1Q				2020		2Q								c
Canada	250	2007		4Q	2007		4Q	2008		1Q	2010		2Q				2009		4Q	N/C	c
Canada	306				2019		4Q				2028		2Q								c
Canada	403	2008		3Q	2008		4Q	2009		4Q	2011		1Q				2011		3Q	-1Q	c
Canada	418	2008		3Q	2007		4Q				2013		4Q				2015		2Q	+3Q	c
Canada	450	2013		4Q	2012		4Q				2019		4Q				2027		4Q	+4Q	a, c, k
Canada	506				2021		1Q				2019		3Q								c
Canada	604	2011		3Q																	c
Canada	613	2011		3Q	2012		2Q	2012		1Q	2014		2Q				2015		4Q	-3Q	b, c, k
Canada	705	2015		2Q	2013		1Q				2023		3Q							+9Q	a, c, k
Canada	709				2027		1Q				2030		3Q								c
Canada	778	2019		1Q	2025		3Q				2023		2Q				2020		3Q	-26Q	c
Canada	780	2009		3Q	2009		1Q	2010		4Q	2013		1Q				2015		1Q	+2Q	c
Canada	807																				c, d
Canada	819				2014		3Q	2021		1Q	2027		3Q				2027		3Q		c
Canada	867																				c, d
Canada	902				2013		4Q				2015		1Q				2015		4Q	N/C	c
Canada	289/905				2016		2Q				2021		4Q				2022		4Q		c
Canada	416/647				2017		2Q				2016		2Q				2018		1Q		c
Canada	514/438							2008		4Q							2009		1Q		c
Canada	519/226				2021		1Q										2007		4Q		c
CNMI	670	2320		3Q	2320		1Q	2320		1Q	2319		3Q	2319		1Q	2319		4Q	+2Q	
Colorado	719	2021		2Q	2022		4Q	2021		3Q	2021		2Q	2020		4Q	2020		3Q	-6Q	b
Colorado	970	2014		4Q	2015		1Q	2014		3Q	2013		3Q	2012		4Q	2012		4Q	-1Q	

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Colorado	303/720	2022		4Q	2022		2Q	2022		2Q	2021		1Q	2020		2Q	2019		2Q	+2Q	
Connecticut	203	2009		4Q	2009		1Q	2008		4Q	2008		1Q	2007		3Q	2006		4Q	+3Q	a
Connecticut	860	2010		3Q	2009		4Q	2009		3Q	2009		2Q	2009		1Q	2009		1Q	+3Q	a
Delaware	302	2021		3Q	2021		1Q	2019		4Q	2019		3Q	2019		1Q	2018		1Q	+2Q	
District of Columbia	202	2022		4Q	2019		1Q	2021		2Q	2026		1Q	2025		4Q	2024		2Q	+15Q	a
Florida	239	2025		3Q	2024		2Q	2021		4Q	2021		3Q	2019		4Q	2019		2Q	+5Q	a
Florida	352	2018		2Q	2017		2Q	2017		2Q	2016		4Q	2016		4Q	2016		2Q	+4Q	a
Florida	386	2028		1Q	2027		3Q	2027		3Q	2027		2Q	2026		4Q	2026		3Q	+2Q	
Florida	561	2018		1Q	2017		4Q	2017		2Q	2017		2Q	2018		1Q	2016		2Q	+1Q	
Florida	727	2023		3Q	2021		1Q	2019		2Q	2018		1Q	2017		3Q	2017		2Q	+10Q	a
Florida	772	2033		3Q	2031		3Q	2030		4Q	2030		2Q	2029		1Q	2028		3Q	+8Q	a
Florida	813	2016		4Q	2016		2Q	2016		2Q	2016		2Q	2016		2Q	2016		2Q	+2Q	
Florida	850	2011		4Q	2011		1Q	2010		4Q	2010		3Q	2010		3Q	2010		1Q	+3Q	a
Florida	863	2025		2Q	2023		3Q	2022		2Q	2021		4Q	2020		2Q	2019		2Q	+7Q	a
Florida	904	2017		3Q	2016		3Q	2015		4Q	2016		1Q	2016		1Q	2017		1Q	+4Q	a
Florida	941	2027		2Q	2024		4Q	2022		4Q	2022		2Q	2021		4Q	2020		4Q	+10Q	a
Florida	305/786	2019		3Q	2019		1Q	2019		3Q	2019		3Q	2019		3Q	2019		1Q	+2Q	h
Florida	305A	2010		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	2009		2Q	+4Q	a, h
Florida	321A	2029		1Q	2026		3Q	2026		1Q	2025		3Q	2024		4Q	2024		4Q	+10Q	a, g
Florida	407/321	2010		3Q	2010		1Q	2010		2Q	2010		1Q	2009		4Q	2009		4Q	+2Q	
Florida	954/754	2030		4Q	2030		1Q	2028		4Q	2028		4Q	2026		3Q	2023		2Q	+3Q	a
Georgia	229	2020		4Q	2019		4Q	2017		2Q	2017		1Q	2014		1Q	2013		3Q	+4Q	a
Georgia	404	2013		2Q	2012		4Q	2012		3Q	2012		1Q	2011		2Q	2011		1Q	+2Q	
Georgia	478	2029		3Q	2029		2Q	2029		1Q	2028		3Q	2026		1Q	2025		4Q	+1Q	
Georgia	912	2021		2Q	2021		1Q	2020		1Q	2018		4Q	2017		3Q	2017		3Q	+1Q	
Georgia	706/762	2025		2Q	2024		1Q	2024		1Q	2023		3Q	2006		4Q	2006		2Q	+5Q	a
Georgia	770/678/470	2021		2Q	2020		3Q	2020		2Q	2019		4Q	2019		3Q	2019		2Q	+3Q	a
Guam	671	2297		3Q	2297		1Q	2297		1Q	2296		3Q	2296		1Q	2296		2Q	+2Q	
Hawaii	808	2020		3Q	2019		3Q	2019		3Q	2019		2Q	2017		4Q	2016		4Q	+4Q	a
Idaho	208	2011		3Q	2011		2Q	2010		1Q	2010		1Q	2010		4Q	2009		4Q	+1Q	
Illinois	217	2010		3Q	2009		3Q	2008		4Q	2008		4Q	2008		4Q	2008		4Q	+4Q	a
Illinois	309	2012		4Q	2011		3Q	2010		3Q	2010		4Q	2011		2Q	2012		2Q	+5Q	a
Illinois	312	2016		3Q	2015		4Q	2015		2Q	2014		4Q	2014		3Q	2013		1Q	+3Q	a
Illinois	618	2010		3Q	2010		1Q	2009	R	4Q	2009		2Q	2008		4Q	2008		2Q	+2Q	
Illinois	708	2011		4Q	2011		1Q	2010		4Q	2010		3Q	2010		1Q	2009		4Q	+3Q	a
Illinois	773	2009		1Q	2009		2Q	2009		2Q	2009		2Q	2009		1Q	2009		1Q	-1Q	
Illinois	630/331	2032		3Q	2007		2Q	2006		4Q	2006		3Q	2006		2Q	2006		1Q	+101Q	f
Illinois	815/779	2033		2Q	2032		4Q	2032		4Q	2006		4Q	2006		3Q	2006		2Q	+2Q	
Illinois	847/224	2019		4Q	2019		1Q	2018		1Q	2017		4Q	2017		3Q	2017		3Q	+3Q	a
Indiana	219	2027		2Q	2025		4Q	2023		4Q	2022		4Q	2021		1Q	2019		2Q	+6Q	a
Indiana	260	2028		2Q	2025		4Q	2024		3Q	2024		1Q	2020		4Q	2020		2Q	+10Q	a
Indiana	317	2013		3Q	2013		1Q	2012		3Q	2012		1Q	2012		1Q	2011		3Q	+2Q	
Indiana	574	2028		4Q	2026		3Q	2026		3Q	2026		1Q	2025		3Q	2025		3Q	+9Q	a

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Indiana	765	2014		1Q	2012		4Q	2012		1Q	2011		2Q	2010		3Q	2010		2Q	+5Q	a
Indiana	812	2011		1Q	2010		2Q	2010		1Q	2009		4Q	2009		1Q	2008		4Q	+3Q	a
Iowa	319	2016		4Q	2021		4Q	2026		3Q	2035		4Q	2033		1Q	2032		4Q	-20Q	b
Iowa	515	2016		3Q	2017		3Q	2020		4Q	2024		2Q	2023		2Q	2022		4Q	-4Q	b
Iowa	563	2027		3Q	2025		1Q	2025		1Q	2035		3Q	2034		4Q	2034		4Q	+10Q	a
Iowa	641	2016		4Q	2017		3Q	2018		3Q	2023		4Q	2022		2Q	2022		2Q	-3Q	b
Iowa	712	2018		1Q	2018		3Q	2019		3Q	2021		1Q	2020		1Q	2019		4Q	-2Q	
Kansas	316	2034		4Q	2031		3Q	2031		1Q	2028		1Q	2025		1Q	2025		1Q	+13Q	a
Kansas	620	2014		2Q	2013		4Q	2013		4Q	2013		1Q	2013		1Q	2012		4Q	+2Q	
Kansas	785	2015		1Q	2014		1Q	2014		4Q	2013		4Q	2012		4Q	2012		4Q	+4Q	a
Kansas	913	2029		3Q	2026		3Q	2025		3Q	2024		1Q	2022		1Q	2020		4Q	+12Q	a
Kentucky	270	2009	R	2Q	2008	R	4Q	2008	R	3Q	2009		1Q	2008		2Q	2008		2Q	+2Q	l
Kentucky	502	2017		3Q	2017		1Q	2016		3Q	2016		3Q	2015		2Q	2014		4Q	+2Q	
Kentucky	606	2018		4Q	2017		4Q	2016		4Q	2015		3Q	2014		2Q	2014		1Q	+4Q	a
Kentucky	859	2022		3Q	2020		3Q	2019		3Q	2018		3Q	2017		2Q	2016		2Q	+8Q	a
Louisiana	225	2026		2Q	2023		2Q	2022		4Q	2022		2Q	2025		4Q	2025		4Q	+12Q	a
Louisiana	318	2014		2Q	2013		2Q	2012		3Q	2012		1Q	2009		3Q	2009		2Q	+4Q	a
Louisiana	337	2016		4Q	2015		4Q	2015		4Q	2014		2Q	2013		3Q	2013		3Q	+4Q	a
Louisiana	504	2023		3Q	2022		2Q	2021		4Q	2021		3Q	2021		1Q	2021		1Q	+5Q	a
Louisiana	985	2027		4Q	2024		4Q	2022		4Q	2022		2Q	2022		2Q	2019		4Q	+12Q	a
Maine	207	2014		4Q	2013		3Q	2013		3Q	2013		3Q	2013		1Q	2012		1Q	+5Q	a
Maryland	301/240	2015		3Q	2014		3Q	2014		3Q	2014		3Q	2013		4Q	2012		4Q	+4Q	a
Maryland	410/443	2010		4Q	2009		4Q	2009		4Q	2009		4Q	2009		3Q	2008		2Q	+4Q	a
Massachusetts	413	2020		4Q	2019		2Q	2018		4Q	2017		4Q	2016		3Q	2015		3Q	+6Q	a
Massachusetts	508/774	2016		3Q	2015		1Q	2014		2Q	2013		4Q	2012		3Q	2012		1Q	+6Q	a
Massachusetts	617/857	2026		3Q	2025		4Q	2024		4Q	2024		2Q	2024		1Q	2023		4Q	+3Q	a
Massachusetts	781/339	2029		1Q	2027		1Q	2025		1Q	2024		3Q	2021		4Q	2020		3Q	+8Q	a
Massachusetts	978/351	2031		3Q	2028		2Q	2026		2Q	2025		2Q	2023		3Q	2022		1Q	+13Q	a
Michigan	231	2022		3Q	2021		1Q	2020		3Q	2018		3Q	2017		1Q	2016		3Q	+6Q	a
Michigan	269	2023		2Q	2023		1Q	2022		4Q	2022		2Q	2022		1Q	2021		3Q	+1Q	
Michigan	313	2015		4Q	2015		4Q	2016		3Q	2017		3Q	2016		4Q	2016		4Q	N/C	
Michigan	517	2016		3Q	2015		3Q	2014		4Q	2014		1Q	2013		3Q	2012		2Q	+4Q	a
Michigan	586	2025		4Q	2024		1Q	2023		4Q	2023		2Q	2022		3Q	2022		2Q	+7Q	a
Michigan	616	2023		1Q	2021		2Q	2020		2Q	2019		2Q	2018		4Q	2017		4Q	+7Q	a
Michigan	734	2015		4Q	2015		1Q	2014		3Q	2014		3Q	2014		3Q	2014		1Q	+3Q	a
Michigan	810	2024		3Q	2022		3Q	2021		3Q	2021		2Q	2020		3Q	2019		3Q	+8Q	a
Michigan	906	2031		3Q	2028		1Q	2025		1Q	2023		3Q	2022		3Q	2021		3Q	+14Q	a
Michigan	989	2012		3Q	2011		4Q	2011		2Q	2010		3Q	2009		3Q	2008		4Q	+3Q	a
Michigan	248/947	2030		1Q	2026		3Q	2024		4Q	2024		4Q	2033		2Q	2033		3Q	+14Q	a
Minnesota	218	2016		2Q	2016		4Q	2016		4Q	2016		1Q	2015		2Q	2014		2Q	-2Q	
Minnesota	320	2020		3Q	2019		3Q	2018		2Q	2019		3Q	2019		3Q	2019		2Q	+4Q	a
Minnesota	507	2012		3Q	2012		1Q	2012		1Q	2012		4Q	2012		4Q	2012		2Q	+2Q	
Minnesota	612	2024		3Q	2024		1Q	2023		3Q	2022		3Q	2021		4Q	2021		4Q	+2Q	

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes	
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr			
Minnesota	651	2025		3Q	2025		3Q	2024		4Q	2024		2Q	2021		1Q	2020		2Q	N/C		
Minnesota	763	2029		3Q	2029		3Q	2029		1Q	2028		3Q	2025		1Q	2023		1Q	N/C		
Minnesota	952	2027		1Q	2026		2Q	2025		2Q	2023		4Q	2022		3Q	2021		3Q	+3Q	a	
Mississippi	228	2036		2Q	2034		1Q	2032		1Q	2031		4Q	2031		4Q	2030		4Q	+9Q	a	
Mississippi	662	2011		1Q	2010		2Q	2010		1Q	2009		4Q	2008		4Q	2008		4Q	+3Q	a	
Mississippi	601/769	2030		4Q	2030		2Q	2030		2Q	2030		2Q	2030		1Q	2032		2Q	+2Q		
Missouri	314	2015		4Q	2015		2Q	2014		2Q	2013		4Q	2013		2Q	2012		4Q	+2Q		
Missouri	417	2011		3Q	2011		1Q	2011		1Q	2010		2Q	2009		2Q	2009		2Q	+2Q		
Missouri	573	2012		1Q	2011		3Q	2011		2Q	2010		4Q	2010		1Q	2009		1Q	+2Q		
Missouri	636	2028		1Q	2027		3Q	2025		2Q	2024		4Q	2023		2Q	2023		2Q	+2Q		
Missouri	660	2016		3Q	2015		3Q	2015		2Q	2015		2Q	2015		1Q	2014		3Q	+4Q	a	
Missouri	816	2015		3Q	2015		3Q	2015		3Q	2014		3Q	2014		1Q	2013		3Q	N/C		
Montana	406	2011		2Q	2011		1Q	2010		4Q	2011		3Q	2011		2Q	2010		1Q	+1Q		
Nebraska	308	2030		3Q	2029		3Q	2029		3Q	2028		3Q	2026		3Q	2026		3Q	+4Q	a	
Nebraska	402	2009		4Q	2009		3Q	2009		1Q	2008		2Q	2007		2Q	2006		4Q	+1Q		
Nevada	702	2013		2Q	2013		2Q	2013		1Q	2013		2Q	2015		3Q	2016		1Q	N/C		
Nevada	775	2021		4Q	2020		3Q	2020		3Q	2019		2Q	2017		3Q	2017		1Q	+5Q	a	
New Hampshire	603	2010		4Q	2010		2Q	2010		2Q	2009		2Q	2009		1Q	2008		1Q	+2Q		
New Jersey	609	2012		3Q	2011		2Q	2010		4Q	2010		1Q	2009		3Q	2009		1Q	+5Q	a	
New Jersey	856	2018		2Q	2017		2Q	2016		2Q	2015		4Q	2015		2Q	2014		3Q	+4Q	a	
New Jersey	908	2015		3Q	2014		1Q	2013		2Q	2012		1Q	2011		1Q	2010		2Q	+6Q	a	
New Jersey	201/551	2033		4Q	2037		4Q	2035		2Q	2034		4Q	2032		2Q	2031		4Q	-16Q	b	
New Jersey	732/848	2027		3Q	2025		1Q	2024		1Q	2023		3Q	2023		1Q	2022		3Q	+10Q	a	
New Jersey	973/862	2022		3Q	2022		1Q	2021		2Q	2021		2Q	2020		4Q	2020		4Q	+2Q		
New Mexico	505	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2009		1Q	2008		4Q	N/C		
New York	315	2010		3Q	2010		3Q	2011		1Q	2011		1Q	2010		3Q	2010		3Q	N/C		
New York	516	2014		4Q	2013		4Q	2012		4Q	2012		3Q	2012		3Q	2012		2Q	+4Q	a	
New York	518	2012		4Q	2012		2Q	2012		2Q	2011		3Q	2011		3Q	2011		3Q	+2Q		
New York	585	2017		4Q	2017		4Q	2017		4Q	2016		4Q	2016		1Q	2015		4Q	N/C		
New York	607	2020		2Q	2021		4Q	2020		4Q	2019		3Q	2017		2Q	2017		1Q	-6Q	b	
New York	631	2012		1Q	2011		2Q	2010		4Q	2010		2Q	2009		2Q	2009		2Q	+3Q	a	
New York	716	2015		3Q	2015		1Q	2015		1Q	2014		4Q	2014		1Q	2013		4Q	+2Q		
New York	845	2014		4Q	2012		4Q	2012		2Q	2011		4Q	2010		4Q	2010		3Q	+8Q	a	
New York	914	2017		4Q	2016		2Q	2015		3Q	2015		2Q	2014		4Q	2013		4Q	+6Q	a	
New York	917																				e	
New York	212/646	2013		3Q	2011		3Q	2010		3Q	2010		2Q	2009		3Q	2010		3Q	+8Q	a	
New York	718/347	2011		3Q	2012		3Q	2013		1Q	2013		2Q	2013		2Q	2014		2Q	-4Q	b	
North Carolina	252	2015		3Q	2016		3Q	2017		2Q	2017		1Q	2016		2Q	2015		2Q	-4Q	b	
North Carolina	336	2012		3Q	2012		1Q	2012		1Q	2011		3Q	2011		1Q	2010		4Q	+2Q		
North Carolina	828	2014		4Q	2014		1Q	2013		3Q	2012		4Q	2012		2Q	2011		2Q	+3Q	a	
North Carolina	910	2012		4Q	2012		3Q	2012		3Q	2012		1Q	2011		2Q	2011		1Q	+1Q		
North Carolina	704/980	2024		2Q	2023		4Q	2024		2Q	2031		2Q	2030		4Q	2030		4Q	+2Q		
North Carolina	919/984	2038		4Q	2038		2Q	2035		4Q	2035		2Q	2033		4Q	2033		4Q	+2Q		
North Dakota	701	2013		3Q	2013		2Q	2013		3Q	2013		2Q	2012		4Q	2012		2Q	+1Q		

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Ohio	216	2025		2Q	2024		4Q	2022		1Q	2019		3Q	2017		4Q	2016		4Q	+2Q	
Ohio	440	2017		3Q	2016		3Q	2015		3Q	2015		2Q	2014		1Q	2013		3Q	+4Q	a
Ohio	513	2015		4Q	2015		1Q	2014		4Q	2014		3Q	2013		4Q	2013		2Q	+3Q	a
Ohio	614	2016		1Q	2015		4Q	2015		2Q	2014		4Q	2013		3Q	2013		2Q	+1Q	
Ohio	740	2010		4Q	2010		2Q	2009		3Q	2009		3Q	2008		4Q	2008		1Q	+2Q	
Ohio	937	2011		3Q	2011		3Q	2011		1Q	2010		2Q	2009		3Q	2009		2Q	N/C	
Ohio	330/234	2028		4Q	2028		3Q	2028		2Q	2027		4Q	2026		3Q	2026		3Q	+1Q	
Ohio	419/567	2021		2Q	2020		3Q	2019		3Q	2019		1Q	2018		1Q	2017		4Q	+3Q	a
Oklahoma	405	2016		3Q	2015		3Q	2015		2Q	2015		1Q	2014		4Q	2013		4Q	+4Q	a
Oklahoma	580	2012		1Q	2011		1Q	2010		2Q	2009		4Q	2008		4Q	2007		1Q	+4Q	a
Oklahoma	918	2011		1Q	2010		4Q	2010		2Q	2010		1Q	2009		4Q	2009		1Q	+1Q	
Oregon	541	2011		1Q	2010		4Q	2010		3Q	2010		2Q	2010		2Q	2010		1Q	+1Q	
Oregon	503/971	2029		3Q	2028		3Q	2028		2Q	2027		3Q	2026		4Q	2026		4Q	+4Q	a
Oregon	503A	2008		4Q	2008		4Q	2008		4Q	2009		3Q	2011		3Q	2011		3Q	N/C	j
Pennsylvania	570	2011		3Q	2011		2Q	2011		1Q	2011		1Q	2010		1Q	2009		3Q	+1Q	
Pennsylvania	717	2013		1Q	2012		1Q	2012		1Q	2011		3Q	2010		3Q	2009		4Q	+4Q	a
Pennsylvania	814	2012		2Q	2012		1Q	2011		3Q	2011		1Q	2010		3Q	2010		1Q	+1Q	
Pennsylvania	215/267	2013		3Q	2013		3Q	2013		3Q	2013		1Q	2012		2Q	2012		1Q	N/C	
Pennsylvania	412/878/724	2025		3Q	2025		1Q	2024		1Q	2023		4Q	2023		3Q	2023		2Q	+2Q	
Pennsylvania	610/484	2012		3Q	2012		3Q	2011		3Q	2011		3Q	2011		1Q	2009		2Q	N/C	
Puerto Rico	787/939	2026		3Q	2026		3Q	2026		3Q	2026		1Q	2025		4Q	2025		3Q	N/C	
Rhode Island	401	2018		1Q	2016		4Q	2016		1Q	2015		4Q	2015		2Q	2014		3Q	+5Q	a
South Carolina	803	2013		1Q	2012		3Q	2012		4Q	2012		2Q	2012		1Q	2011		3Q	+2Q	
South Carolina	843	2011		1Q	2011		2Q	2011		2Q	2010		4Q	2010		2Q	2009		4Q	-1Q	
South Carolina	864	2015		3Q	2015		1Q	2015		1Q	2015		1Q	2014		2Q	2014		2Q	+2Q	
South Dakota	605	2014		4Q	2014		1Q	2014		1Q	2013		4Q	2012		4Q	2012		4Q	+3Q	a
Tennessee	423	2016		2Q	2015		3Q	2015		3Q	2015		3Q	2014		1Q	2014		1Q	+3Q	a
Tennessee	615	2013		1Q	2012		4Q	2012		3Q	2012		3Q	2012		2Q	2011		4Q	+1Q	
Tennessee	731	2022		4Q	2021		3Q	2021		3Q	2021		1Q	2018		1Q	2017		3Q	+5Q	a
Tennessee	865	2025		2Q	2024		4Q	2024		4Q	2024		3Q	2022		3Q	2022		3Q	+2Q	
Tennessee	901	2021		4Q	2020		3Q	2020		3Q	2020		1Q	2018		3Q	2017		3Q	+5Q	a
Tennessee	931	2021		2Q	2019		4Q	2018		4Q	2017		4Q	2016		4Q	2015		4Q	+6Q	a
Texas	210	2015		1Q	2015		1Q	2015		1Q	2021		1Q	2021		3Q	2024		1Q	N/C	
Texas	254	2018		2Q	2017		4Q	2017		3Q	2017		3Q	2016		2Q	2018		3Q	+2Q	
Texas	325	2026		3Q	2023		3Q	2023		1Q	2020		2Q	2019		2Q	2018		3Q	+12Q	a
Texas	361	2015		4Q	2015		2Q	2015		3Q	2015		1Q	2013		4Q	2012		4Q	+2Q	
Texas	409	2026		3Q	2024		4Q	2023		4Q	2021		4Q	2019		4Q	2018		4Q	+7Q	a
Texas	432	2029		4Q	2028		1Q	2027		1Q	2026		3Q	2024		3Q	2024		3Q	+7Q	a
Texas	512	2011		3Q	2011		1Q	2010		4Q	2011		4Q	2011		3Q	2011		2Q	+2Q	
Texas	806	2016		2Q	2015		3Q	2015		4Q	2015		4Q	2015		2Q	2014		4Q	+3Q	a
Texas	830	2017		4Q	2016		4Q	2015		4Q	2015		1Q	2014		3Q	2013		2Q	+4Q	a
Texas	915	2031		1Q	2027		3Q	2026		3Q	2025		2Q	2022		4Q	2021		1Q	+14Q	a
Texas	936	2026		3Q	2024		2Q	2023		2Q	2022		4Q	2021		2Q	2020		4Q	+9Q	a

## ATTACHMENT 6

LOCATION	NPA	2007.2 FCST			2007.1 FCST			2006.2 FCST			2006.1 FCST			2005.2 FCST			2005.1 FCST			Change 2007.1 to 2007.2	Notes
		Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr	Year	R	Qtr		
Texas	940	2025		4Q	2024		1Q	2023		1Q	2022		3Q	2020		4Q	2020		3Q	+7Q	a
Texas	956	2016		2Q	2017		3Q	2017		3Q	2016		4Q	2015		4Q	2014		4Q	-5Q	b
Texas	979	2027		1Q	2024		3Q	2022		3Q	2021		2Q	2016		4Q	2015		2Q	+10Q	a
Texas	214/972/469	2016		2Q	2015		4Q	2015		3Q	2015		1Q	2013		4Q	2012		4Q	+2Q	
Texas	713/281/832	2012		3Q	2012		2Q	2012		1Q	2012		1Q	2012		1Q	2011		4Q	+1Q	
Texas	817/682	2025		3Q	2024		3Q	2024		3Q	2024		3Q	2020		3Q	2019		4Q	+4Q	a
Texas	903/430	2024		3Q	2023		3Q	2023		1Q	2022		3Q	2022		3Q	2021		3Q	+4Q	a
Utah	435	2024		4Q	2023		3Q	2022		2Q	2021		2Q	2021		2Q	2020		4Q	+5Q	a
Utah	801	2009		2Q	2009		2Q	2009		2Q	2008		4Q	2008		4Q	2008		2Q	N/C	
Vermont	802	2015		3Q	2014		4Q	2014		3Q	2014		2Q	2013		1Q	2012		4Q	+3Q	a
Virgin Islands	340	2130		3Q	2130		3Q	2130		1Q	2129		3Q	2128		2Q	2107		2Q	N/C	
Virginia	276	2045		4Q	2039		4Q	2037		2Q	2036		3Q	2031		2Q	2028		2Q	+24Q	a
Virginia	434	2032		2Q	2029		4Q	2028		2Q	2027		3Q	2026		1Q	2025		3Q	+10Q	a
Virginia	540	2016		1Q	2015		1Q	2014		3Q	2014		2Q	2012		3Q	2012		1Q	+4Q	a
Virginia	757	2012		4Q	2011		4Q	2011		3Q	2011		3Q	2011		1Q	2010		2Q	+4Q	a
Virginia	804	2016		4Q	2015		4Q	2015		2Q	2015		1Q	2014		4Q	2014		3Q	+4Q	a
Virginia	703/571	2021		3Q	2020		3Q	2020		3Q	2020		1Q	2019		3Q	2019		3Q	+4Q	a
Washington	206	2021		4Q	2023		1Q	2022		4Q	2024		1Q	2023		4Q	2023		4Q	-5Q	b
Washington	253	2025		2Q	2025		1Q	2023		1Q	2022		3Q	2022		2Q	2021		4Q	+1Q	
Washington	360	2011		3Q	2010		4Q	2010		1Q	2010		1Q	2007		3Q	2007		3Q	+3Q	a
Washington	425	2031		1Q	2027		3Q	2025		3Q	2025		1Q	2030		1Q	2030		1Q	+14Q	a
Washington	509	2013		1Q	2012		3Q	2012		1Q	2011		3Q	2011		3Q	2011		1Q	+2Q	
West Virginia	304	2008		4Q	2008		3Q	2007		3Q	2007		3Q	2007		2Q	2007		2Q	+1Q	
Wisconsin	262	2020		2Q	2018		2Q	2017		4Q	2017		2Q	2016		2Q	2015		3Q	+8Q	a
Wisconsin	414	2028		3Q	2025		2Q	2023		4Q	2023		2Q	2020		4Q	2019		3Q	+13Q	a
Wisconsin	608	2016		3Q	2015		4Q	2015		4Q	2014		4Q	2013		3Q	2012		3Q	+3Q	a
Wisconsin	715	2010		3Q	2009		4Q	2010		1Q	2009		4Q	2009		3Q	2007		4Q	+3Q	a
Wisconsin	920	2011		2Q	2010		2Q	2010		2Q	2009		4Q	2008		4Q	2008		2Q	+4Q	a
Wyoming	307	2025		1Q	2024		1Q	2023		1Q	2022		4Q	2022		3Q	2022		2Q	+4Q	a

## Notes:

- Reduced historical and projected demand.
- Increased historical and projected demand.
- Forecast based upon information provided by the Canadian Numbering Authority (CNA). The CNA normally provides only one projection per year. Change is from last forecast provided.
- Canadian NPA. With an exhaust date beyond 2027, there is no exhaust date provided.
- NPA is at exhaust. No codes available except for returns.
- New NPA added.
- Area Code 321A includes only Brevard County Florida; 407/321 includes the Counties around Orlando in Central Florida
- Area Code 305A includes only the Keys area of Florida; Area Code 305/786 is the Miami-Dade area of Florida.
- "Intentionally left blank"
- Area Code 503A serves the Northwest Coastal Area of Oregon.
- Interim forecast issued by Canadian Numbering Authority
- The "R" refers to the forecast projection made at the published ration level alone.

## ATTACHMENT 7 - 2007 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 2007 NANP Exhaust Projection Assumptions

The following is a list of assumptions used in the development of the October 2007 NANP exhaust projection prepared by NANPA. These are the same assumptions used in previous NANP exhaust studies.

1. The NANP exhaust study uses as its basis the CO code demand, which includes carrier and Pooling Administrator forecasts, historical CO code assignments and other NPA-specific information, calculated for each respective NPA. The monthly CO code demand as calculated in the NPA exhaust analysis is straight-lined to determine demand outside the five-year time frame included in NRUF submissions.
2. For NPAs in rationing, NANPA compared the actual CO code demand over the past year(s) with the rationed amount. In addition, NANPA compared the forecasted CO code demand provided by service providers and/or the Pooling Administrator to the rationed amount. Based upon this analysis, NANPA identified an average annual CO code demand rate for the NPA.
3. A new NPA will be required when the number of assigned and unavailable CO codes reaches 800.
4. It is assumed that each new NPA will require the same number of unassignable codes as the current NPA. It appears that most of the unassignable codes in the existing NPAs are duplicated in the new NPA. There are also times when additional codes in the new NPA are marked unassignable.
5. No assumptions were made with regard to the relief method implemented (i.e., NPA split vs. overlay). However, it was assumed that the selected relief method did not require the duplication or protection of central office codes above those identified in number 4 above.
6. The CO code demand for an exhausting NPA will be continued after relief. By doing so, the demand for both the existing and new NPAs will be taken into account for the geographic area covered by the original NPA.
7. The total quantity of available NPA codes will be 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 (12)<sup>2</sup>.
8. To account for the variability of demand, a sensitivity analysis was performed to the CO code demand (i.e., demand will be increased and decreased by increments of 10%) to understand the impact on NANP exhaust.

### Results based on Assumptions

As recognized in previous NANP exhaust analyses, the model is sensitive to the yearly CO code demand rate. Using the monthly CO code demand for each NPA as calculated in the October 2007 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 7,200 CO codes. This yearly demand rate was compared with demand rates in 2002 through 2006 (annualized).

Year	Annual Gross CO Code Demand	Annual Net CO Code Demand
2002	7,200	3,600
2003	3,200	1,400
2004	3,100	2,100
2005	3,300	2,300
2006	4,100	3,400
2007 (Annualized)	3,600	2,900

In order to provide a NANP exhaust analysis more reflective of the current industry trend in terms of yearly CO code demand, NANPA selected a base case with an average annual demand of 6,500 CO codes.<sup>3</sup> This represents approximately a 10% reduction in the annual demand created using the October 2007 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 6,500 codes assigned per year, the projected NANP exhaust date is beyond 2037, 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 7,400 CO codes, which represented the gross demand as calculated from the October 2007 NPA Exhaust Analysis. This resulted in a projected exhaust of 2038.

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

<sup>2</sup> These include the 6 codes reserved for future PCS expansion (522, 533, 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 models used in the 2005, 2006 and April 2007 exhaust studies used an average demand rate of 6,500 codes.

<sup>4</sup> The base model for the 2006 NANP Exhaust studies projected an exhaust date beyond 2036. The April 2007 study projected exhaust beyond 2037.

## 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.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)

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.

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

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

### [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.

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

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



## 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 Post Office Box 60 Coronation Avenue The Valley, Anguilla West Indies Phone 264-497-2442 Fax 264-497-5695 kenneth.harrigan@gov.ai	Larry Franklin Permanent Secretary MICUH Coronation Avenue PO Box 60 The Valley, Anguilla British West Indies Phone 264-497-2651 Fax 264-497-3651 larryf@gov.ai	
Antigua and Barbuda	Hon. Dr. Edmund Mansoor Minister of Telecommunications, Information and Broadcasting St. John's Street St. John's Antigua, West Indies Phone 268-462-4772 Fax 268-562-2750		
Bahamas	Hon. Zhizargo Laing Minister of State Ministry of Finance Cecil Wallace-Whitfield Center Cable Beach P O Box N-3017 Nassau, N. P. 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	Hon. H. Elizabeth Thompson Ministry of Energy and Environment 1st Floor, Musson Building Hincks Street Bridgestone, Barbados Phone 246-467-5710		
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		

## ATTACHMENT 9

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 613-563-7242 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 Tel: 345-946-4282 Fax: 345-945-8284 David.Laliberte@icta.ky</p>		
Dominica	<p>Hon. Reginald V. Austrie Minister for Housing, Lands, elecommunications and Works Government Headquarters Roseau, Commonwealth of Dominica Phone 767-448-2401 x204/3370 Fax 767-448-0059</p>	<p>Sylvester Vital Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue Roseau, Commonwealth of Dominica Phone 767-440-0627 Fax 767-440-0835</p>	<p>Sylvester Vital Executive Director National Telecommunications Regulatory Commission 42-2 Kennedy Avenue Roseau Commonwealth of Dominica Phone 767-440-0627 Fax 767-440-0835</p>
Dominican Republic	<p>Jose Rafael Vargas Secretary of State President Santo Domingo Dominican Republic Phone 809-378-6032 Fax 809-732-3877 jvargas@indotel.org.do</p>	<p>Rafael Fernandez Manager Concessions and Licenses Department Phone 809-473-8503 Fax 809-732-7189 rfernandez@indotel.org.do</p>	<p>Jose Perez Engineer Concessions and Licenses Department Phone 809-473-8504 jperez@indotel.org.do</p>
Grenada	<p>Linus Spencer Thomas Ph.D Chairman National Telecommunications Regulatory Commission P.O. Box 854 St. George's Grenada</p>	<p>Dwight Horsford Acting Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com</p>	<p>Dwight Horsford Acting Coordinator of Telecommunications National Telecommunications Regulatory Commission P.O. Box 854 St. George's Grenada Phone 473-435-6872 Fax 473-435-2132 gntrc@caribsurf.com</p>
Jamaica	<p>Patrick Williams Chief, Telecommunications Markets Office of Utilities Regulations 36 Trafalgar Road Kingston 10 Jamaica Phone 876-968-6111 Fax 876-929-3645 pwilliams@our.org.jm</p>	<p>Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulations 36 Trafalgar Road Kingston 10 Jamaica Phone 876-929-6672 Fax 876-929-3645 crobinson@our.org.jm</p>	<p>Curtis Robinson Chief, Numbering Administration and Technical Support Office of Utilities Regulations 36 Trafalgar Road Kingston 10 Jamaica Phone 876-929-6672 Fax 876-929-3645 crobinson@our.org.jm</p>

## ATTACHMENT 9

Country	Contact for Formal Letters and Policy Issues	Contact for Day-to-Day Regulatory Numbering Issues	Contact for Central Office Code Administration
Montserrat	<p>Alic Taylor Permanent Secretary Ministry of Communications and Works P.O. Box 292 Brades, Montserrat West Indies Phone 664-491-2521/2522 Fax 664-491-3475/6659 mcw@gov.ms</p>		
St. Kitts and Nevis	<p>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</p>		
St. Lucia	<p>Hon. Guy Joseph Ministry of Communications, Works, Transport and Public Utilities Union St. Lucia West Indies Phone 758-468-4300 Fax 758-468-6380</p>	<p>Michael Flood Public Utilities Officer Ministry of Communications, Works, Transport and Public Utilities Union St. Lucia West Indies Phone 758-468-4300 Fax 758-468-6380</p>	<p>Alexis Sevier Coordinator National Telecommunications Regulatory Commission P.O. Box GM690 Castries St. Lucia West Indies Phone 758-458-2035 Fax 758-453-2558</p>
St. Vincent and the Grenadines	<p>Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc</p>	<p>Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc</p>	<p>Apollo Knights Secretary/Director NTRC KCCU Financial Center Granby Street P.O. Box 2368 Kingstown St. Vincent and the Grenadines West Indies Phone 784-457-2279 Fax 784-457-2834 ntrc@ntrc.vc</p>
Trinidad and Tobago	<p>Minister Kennedy Swaratsingh Minister of Public Administration Level 7, National Library Building Corner of Hart and Abercromby Streets Port of Sprain Phone 868-625-6724 Fax 868-624-4216</p>		
Turks and Caicos Islands	<p>Hon. Jeffrey C. Hall Minister of Communications Work &amp; Utilities Government Square Grand Turk, Turks and Caicos Islands British West Indies Phone 649-946-2801, Ext/40709 Fax 649-946-2885</p>	<p>John Williams Director General Phone 649-946-1900 Fax 649-946-1119</p>	<p>John Williams Director General PO Box 203 Providenciales Turks &amp; Caicos Islands Phone 649-946-1900 Fax 649-946-1119 johnwilliams@express.tc</p>
United States	<p>Dana R. Shaffer Chief, Wireline Competition Bureau Federal Communications Commission 445 12th St., SW Washington, DC 20554 Phone 202-418-1500 Fax 202-418-2825</p>		<p>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</p>

## 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**

**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**

**PCS – Personal Communications Service**

**TN – Telephone Number**

**VoIP – Voice over Internet Protocol**

**VSC – Vertical Service Code**