



Third Quarter 2012

Provided by the North American Numbering Plan Administration

NANP Resource Status Update

NPA (Area Codes)

Below is a summary of NPA assignment activity for January 1 through August 31, 2012. No new area codes have been assigned in 2012:

Four (4) area codes have been placed in service since the beginning of 2012:

- NPA 667 (Maryland) went into service on March 24, 2012. (PL-427).
- NPA 566 (Personal Communications Service (PCS)) went into service on April 17, 2012. (PL-436).
- NPA 984 (North Carolina) went into service on April 30, 2012. (PL-422).
- NPA 873 (Quebec, Canada) went into service on September 15, 2012 (PL-425).

There are two (2) area codes with future 2012 in-service dates:

- Manitoba, Canada — NPA 431 to overlay NPA 204 — in-service date of November 3, 2012
- California — NPA 669 to overlay NPA 408 — in-service date of November 20, 2012

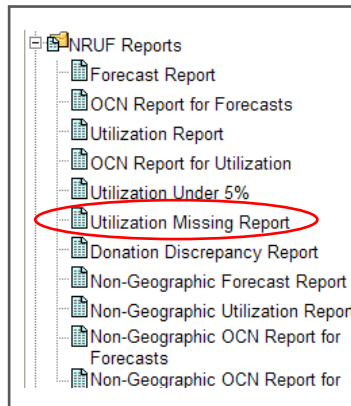
One NPA moved from assigned to reserved in 2012:

- Pennsylvania 582 on April 26, 2012

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Forecast, No Utilization NRUFs

Service providers who submit an NRUF forecast at the start of an NRUF cycle and who are required to also submit a utilization report for that cycle should not forget to file the utilization portion of the NRUF by the applicable due date (February 1 or August 1). Sixty days prior to the start of the cycle, NANPA sends a reminder notice to all NRUF NANP Notification System (NNS) subscribers reminding them of the filing due date. In that notice, carriers are reminded that they can submit an NRUF forecast for the new cycle after the start of the new cycle, and then must update the NRUF to include the utilization portion(s) on or before the applicable



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Updates to the NANP Administration System

Neustar was awarded a new NANPA contract, effective July 9, 2012. Similar to the previous contract, it includes one base year and four (4) option years. With the award of a new contract, Neustar, as the NANPA, will be making a number of updates and enhancements to the NANP Administration System (NAS). Our approach is to take advantage of existing business rules, logic and algorithms currently used in the system while incorporating a number of technological improvements.

To accomplish this, Neustar will implement the following two-phased delivery process.

Phase 1 — Neustar will implement necessary modifications to NAS hardware to create a secure DMZ (“Demilitarized Zone”), ensuring NAS conforms to industry best practices for system security. This phase, which started in July, was completed in September.

Phase 2 — Neustar will upgrade existing system hardware components, network gear and software. This phase will initially

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Mark Your Calendar!

INC Calendar

INC 127: December 4-6, 2012
St. Louis, MO

INC 128: Week of February 4, 2013
Sterling, VA

NANC Calendar

Dec 13 Washington, DC

Meet your NANPA



Name: Brent Struthers

Position: Senior Policy Advisor

Current Responsibilities: Primary liaison for all state activity, regulatory, and legislative.

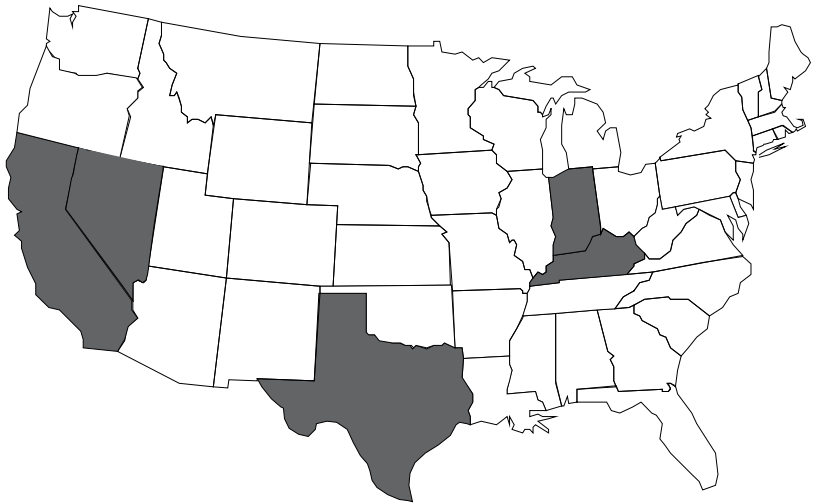
Time with Neustar: 13 years

Work Background: Prior to joining Neustar, Brent worked for the Illinois Commerce Commission where he led staff efforts to implement number portability and number pooling. Brent also has experience in the radio industry doing sales, production and on-air work.

Interesting Tidbit: Brent has held some odd jobs. He worked for a few years handling hazardous waste. He also took a turn as both a clown and portraying the Easter Bunny. Brent also produced an award-winning documentary on the Gulf War for a local PBS affiliate.

Outside the office: Brent spends most of his time being husband and Dad. He and his wife have been married for 16 years and have two children (ages 14 and 12). He spends a great deal of time coaching his kids' baseball, soccer and basketball teams and enjoys playing just about any sport, especially soccer and softball.

Goals & Aspirations: Brent tells his kids that his one goal is to get really, really old, because the alternative doesn't appeal to him. ■



Area Code Relief Planning Activity

Mandatory 1+10-digit dialing for California 408 NPA Overlay — In October 2011, the California Public Utilities Commission approved an all-services overlay as the relief method for the 408 NPA. One plus ten-digit permissive dialing started on April 21, 2012. Mandatory 1+10-digit dialing will start on October 20, 2012. The effective date of the new 669 NPA is November 20, 2012. (See PL-430).

Texas 512 Overlay — On June 28, 2012, the Texas Public Utilities Commission approved an all-services overlay as the relief method for the 512 NPA. Ten-digit permissive dialing starts on December 1, 2012. Mandatory 10-digit dialing will begin on June 1, 2013. The effective date of the new 737 NPA is July 1, 2013. (See PL-438)

Public Hearings on Proposed Nevada 702 NPA Overlay — NANPA conducted a relief planning meeting on April 26, 2012 for the 702 NPA. The industry reached agreement to recommend an all-services overlay to the Nevada Public Utilities Commission. NANPA filed a petition on behalf of the industry with the PUC on June 6, 2012. Public meetings took place on September 26-27, 2012.

Petition filed for Indiana 812 NPA — NANPA filed a petition on behalf of the industry with the Indiana Utility Regulatory Commission on August 3, 2012, recommending an all-services overlay of the 812 area code.

Revised exhaust projection for Kentucky 270 NPA — On September 7, 2012, NANPA revised the exhaust projection for the 270 NPA from 3Q14 to 1Q14. Relief planning was initiated for the 270 NPA in February 2012 and resulted in NANPA filing a petition in April 2012 with the Kentucky Public Service Commission (PSC). The industry recommended an all-services overlay.

Relief Planning underway in California 415 NPA — NANPA conducted a relief planning meeting on September 6, 2012. Local jurisdiction and public meetings conducted by the California Public Utility Commission and NANPA will take place prior to a relief plan being filed. ■

Updates to the NANP Administration System

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run concurrently with Phase 1 but will end approximately nine months (April 2013) after contract award. This phase includes:

- Implementing a new Development Environment (same hardware as the future production environment) to be used for quality assurance (QA) and testing during the below improvements as well as in the next term.
- Developing improved application software that delivers richer functionality. This includes the migration of all data to the enhanced platform.
- Implementing a “refreshed” production environment and deploying the refined software to the new production environment. This production environment includes the use of virtualized servers, allowing a single server to act as both a web server and application server and reducing the quantity of hardware components in NAS without impacting performance.

The current NAS fully complies with all functional requirements for resource management, utilization and forecasting collection and analysis, enhanced notification capabilities, and comprehensive reporting as detailed in the Technical Requirements Document (TRD). Neustar will continue to ensure NAS fully complies with the requirements and expectations set forth in the FCC’s RFP, and will introduce a number of innovations such as:

- Modifications to the online Number Resources Utilization and Forecast (NRUF) submission process to make the online user experience simpler and easier to manage;
- Introduction of downloadable NRUF reports (in Excel 2003, 2007, and, as appropriate, 2010) to permit download of large quantities of data by service providers (SPs) and state regulators; and
- Implementation of usability enhancements generally referred to as Web 2.0, such as functionality to sort on columns in all NAS reports. ■

NANP Resource Status Update

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Central Office Code Activity (January – August 2012)

	Jan-Aug12	Jan-Aug11	Jan-Aug10	Jan-Aug09
Assignments	1,729	1,889	1,886	1,426
Denials	612	644	536	499
Returns/Reclamations	409	469	201	364
Net Assignments	1,320	1,420	1,685	1,062

	2012	2011	2010	2009
Total Year Assignments	2,594*	2,889	2,795	2,144

*Annualized Figure

FG B Carrier Identification Codes (CICs)

NANPA has assigned one (1) FG B CIC in 2012 and three (3) FG B CICs were returned/reclaimed. As of 8/31/12, 273 FG B CICs were assigned in total.

FG D Carrier Identification Codes (CICs)

NANPA has assigned 31 FG D CICs in 2012. US/Canadian switchless resellers received 7 of these assignments. A total of 19 FG D CICs have been returned/reclaimed. As of 8/31/12, 2,050 FG D CICs were assigned in total, leaving 7,727 FG D CICs available for assignment.

5YY NPA

Since the beginning of 2012, NANPA has assigned 215 5YY NPA NXX codes. Over that same time period, eight (8) codes have been returned or reclaimed. As of 8/31/12, 2,519 NXX codes were assigned in total and 638 NXX codes were available for assignment in the 5YY NPA resource.

900 NPA

NANPA has made one (1) 900-NXX assignment in 2012. No codes have been reclaimed/returned. As of 8/31/12, there were 101 codes assigned, 39 codes reserved (for Canadian use) and 652 available NXXs.

555 Line Numbers

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. To date in 2012, there has been one (national) new 555 line number assignment and 16 (national) line numbers have been reclaimed/returned.

800-855

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 has made no assignments of 800-855 number assignments year-to-date in 2012.

Vertical Service Codes, NPA 456 (International Inbound Service), Automatic Number Identification (ANI) II Digits and N11 Codes

The purpose of NPA 456 and its associated NXXs is to enable the routing

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News Brief

The October 2012 NPA and NANP exhaust projections will be available at the end of October and posted on the NANPA website (www.nanpa.com).

NANPA submitted Change Order 1 in September. This change order is in response to two INC issues (Issues 692 and 702). In addition to changing the purpose for Personal Communication Services (PCS) 5YY numbers, numerous modifications are required to the NANP Administration System that impact resource processing and reclamation, NRUF queries and reports and public website reports.

Mandatory dialing of the new 721 NPA assigned to Sint Maarten is required as of September 30, 2012. (See PL-423).

The Central Office Code Assignment Guidelines (COCAG) were recently updated to remind service providers requesting the transfer of a code to confirm adequate trunking facilities are in place in order to fulfill the default routing responsibilities for all ported TNs or pooled blocks within that code.

Service providers' requests for changes to the rate center on NXX codes assigned for pooling will be denied if any block assignments within the NXX have been made to a service provider other than the code holder. Such requests will be forwarded by Pooling Administration to NANPA and NANPA will deny the request.

The NAS Other NANP Resources Guide, NRUF Online User Guide, and NNS User Guide have been updated and are available on the NANPA website under "NANPA Fast Track," then "NAS User Guides."

Service providers are reminded that the reporting carrier must populate the Service Provider Name field of the NRUF with the exact name that corresponds to the Service Provider Operating Company Number (OCN), as indicated in NECA records as also published in the LERG™ Routing Guide Volume 1. ■

Online NRUF Filing & Archiving

Service providers using the NAS NRUF online submission method are strongly encouraged to access NAS NRUF reports (e.g., Forecast Report, Utilization Report) prior to the end of each NRUF cycle and download the NRUF data they have submitted online for that cycle. NRUF cycles end on December 31 and June 30 each year. At that time, all NRUF data submitted to NANPA is archived in NAS and is no longer viewable or downloadable by service providers following the start of the new cycle (i.e., starting January 1 and July 1, respectively).

The online submission method for NRUF, which is growing in popularity, is unique in that service providers do not submit a spreadsheet or file to NANPA which can be later reviewed for completing an NRUF for a subsequent cycle. Therefore, it is especially important for online filers of FCC Form 502 to run NAS NRUF reports each cycle for proper records management. Per the FCC's Numbering Resource Optimization Order (FCC 00-104; paragraph 62), carriers must maintain internal records of their numbering resources pertaining to their NRUF filing(s) for a period of not less than 5 years. Having access to the NRUF(s) submitted for prior cycles can make filing for the current cycle much easier. ■

Adding More Than One Entry in NAS for NRUF

Did you know that you can add more than one row of data per tracking number in NAS for an online NRUF? To avoid keeping records of multiple tracking numbers for the same service provider OCN, here are the steps to follow for adding more than one row of forecast data (the same process is used for utilization data):

1. After entering the first entry of forecast data, select "Add." You will see the data appear at the bottom of the page.
2. Enter your next row of data and select "Add."
3. Continue this procedure until all of the data for the forecast form has been entered. Once completed, select the "Complete Worksheet" button.
4. If you have other worksheets to complete, proceed with selecting the appropriate form. If you do not have any other worksheets to enter, then submit to NANPA to receive your tracking number.

Remember, service providers must submit their NRUF data based upon the service provider OCN. ■

NANP Resource Status Update

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of inbound international calls for carrier-specific services, particular to that service provider's network, to and between countries served by the NANP. 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.

There have been no assignments of these resources in 2012. ■

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Need Information about NPA Relief Planning?

The NANPA website is your source for documentation and other information associated with area code relief planning activities. Below is a summary of available information found under “Reports,” “Area Code Relief Planning Reports” on the NANPA website (www.nanpa.com):

Reports

<i>NPA Relief Planning Activities Status Report</i>	Provides a monthly review of all NPA relief planning activities.
<i>NPA Relief Planning Trigger Report</i>	Certain relief planning activities may be keyed to the occurrence of a future event or trigger point identified by the industry. This report lists these events and associated activities.
<i>Area Codes Introduced since 1995</i>	Provides a list of all NPAs placed into service since 1995, to include the location, in-service date, the relieved NPA and associated Planning Letter(s).
<i>NPAs Planned but not yet in service</i>	Lists assigned NPAs that are not in service, to include the anticipated in-service date if known.
<i>NPA and NANP Exhaust Analysis</i>	Provides the current forecasted exhaust date of geographic area codes as well as the NANP.
<i>NPA Database</i>	Microsoft Access database containing information about area codes.

Area Code Relief Planning Information

<i>Basics of NPA Relief Planning</i>	A high level summary of the area code relief planning process.
<i>FAQs on Area Code Relief</i>	Frequently asked questions pertaining to the NPA relief planning process.
<i>Area Code Relief Planning Responsibilities</i>	Identification of the NANPA Relief Planner responsible for relief planning for specific US states/territories.
<i>Planning Letters</i>	Provides detailed information about a specific NPA relief planning effort, to include implementation schedules, dialing plans, test numbers, maps, contact information and other important data.
<i>Jeopardy Procedures</i>	Listing of NPAs in which jeopardy has been declared. Also included are the CO code assignment procedures in effect for the NPA.
<i>NPA Relief Planning and Notification Guidelines</i>	The industry guidelines used for area code relief planning activities. It includes the relief planning process, industry notification process and NANPA's responsibilities.
<i>Industry Consensus Process</i>	Provides a description of the consensus process, which is used in NPA relief planning meetings to address issues and reach agreement. ■

Forecast, No Utilization NRUFs

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due date. Service providers can use the Utilization Missing Report in NAS to see the central office codes and/or thousands-blocks for which a utilization report is required.

Per the NRUF Online User Guide, located on the NANPA website:

The Utilization Missing Report shows geographic central office codes (NXXs) and thousands-blocks (NPA-NXX-Xs) where the service provider in NAS did not report utilization on a code or thousands-block assigned to the service provider for the current cycle. Central office code and thousands-block assignment data used in creating the report is as of December 31 for the NRUF due February 1 and as of June 30 for the NRUF due August 1. It is sorted by OCN, NXX and X. The user has the ability to run the report based on State and NPA.

January and July can be busy months, especially from an NRUF perspective. Use of the NAS Utilization Missing Report prior to the NRUF filing due date will remind service providers of the need to report appropriate utilization data. ■