



First Quarter 2016

Provided by the North American Numbering Plan Administration

NANP Resource Status Update

The following is an update on NANP resource assignment activity from January 1, 2015 through December 31, 2015.

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. In 2015, no new 555 line numbers were assigned.

Starting June 19, 2015, a moratorium on the assignment of 555 line numbers (see PL-483) was instituted. During the year, NANPA attempted to reach the assignees of over 5,600 assignments. As a result, nearly 5,000 555 line numbers were returned or reclaimed.

At the end of 2015, a total of 2,667 national assignments and 230 non-national line number assignments (196 actual line numbers, assigned to one or more assignees in one or more NPAs) were in effect. In addition, 116 line numbers remained in “dispute” status and 100 line numbers were reserved for the entertainment/advertising industries. At year end, 6,921 555 line numbers were unassigned.

5XX NPA

During 2015, NANPA assigned 658 new 5XX-NXX codes. Twenty-eight (28) 5XX-NXX codes were returned/reclaimed and 547 codes remained available for assignment. At the end of 2015, a total of 4,199 5XX-NXX codes were assigned.

900 NPA

In 2015, five (5) new 900-NXX assignments were made and one code was returned/reclaimed. At the end of 2015, there were 60 codes assigned, 34 codes reserved (for Canadian use) and 698 available NXXs.

800-855 Line Numbers

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. No 800-855 number assignments were made in 2015. One number was returned. Ninety-three (93) 800-855 line numbers were assigned at the end of 2015.

NPA 456-NXX codes

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. No new 456-NXX assignments were requested during 2015. A total of three 456-NXXs assigned at the end of 2015.

Mark Your Calendar!

INC Calendar

INC 148	May 17-19, 2016 Baltimore, MD
INC 149	Week of July 25, 2016 Location TBD
INC 150	Week of September 12, 2016 Washington DC

NANC Calendar

June 30, 2016	Washington, DC
September 15, 2016	Washington DC
December 1, 2016	Washington DC

Vertical Service Codes

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 made no VSC assignments in 2015.

Automatic Number Identification “II” digits

Automatic Number Identification (ANI) Information Integers (“II”) digits are digit pairs sent with the originating telephone number. The digit pair identifies the type of originating station; e.g., plain old telephone service (POTS) or hotel/motel. No ANI II digit assignments were made in 2015.

NPA Codes

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

Location	Area Codes	In-Service Date
Indiana	NPA 930 overlays NPA 812	3/7/15
California	NPA 628 overlays NPA 415	3/21/15
Non-Geographic	NPA 622 (Canada)	3/23/15
Tennessee	NPA 629 overlays NPA 615	3/28/15
Ohio	NPA 220 overlays NPA 740	4/22/15
Non-Geographic	NPA 588 relieves NPAs 500, 533, 544, 566 & 577	9/9/15
South Carolina	NPA 854 overlays NPA 843	10/19/15



In addition, the Florida 786 NPA overlay of the 305 NPA was extended to the Florida Keys, effective June 1, 2015.

Six NPAs were assigned in 2015. NPA 463 was assigned as the relief area code for the Indiana 317 NPA. NPA 680 was assigned as the relief area code for the New York 315 NPA. NPA 986 was assigned as the relief code for the Idaho 208 NPA. NPA 332 was assigned as the relief code for the New York 212/646 overlay complex. NPA 588 was assigned as the relief NPA for the non-geographic 5XX NPAs. NPA 622 was assigned in Canada for non-geographic services.

Central Office Code Assignments

For 2015, NANPA assigned 3,728 central office codes. A total of 233 code returns were approved.

Below is a comparison of 2015 with 2009 through 2014:

	2015	2014	2013	2012	2011	2010	2009
Total Code Requests Processed	14,051	12,400	20,362	10,243	13,782	12,100	11,988
Total Assignments	3,728	3,414	2,712	2,637	2,889	2,795	2,144
Net Assignments	3,495	3,155	2,428	2,065	2,273	2,484	1,610
Changes	9,476	7,980	16,366	6,199	9,336	8,203	8,572
Denials	614	747	1,000	833	941	792	736
Returns	233	259	284	572	616	311	534
Cancellations	71	118	267	181	176	264	193
Reservations	0	0	0	2	0	0	2
Pooling Pass Throughs	7,210	7,144	7,995	7,321	9,441	6,936	5,960

*Cancellations are not included in the total quantity of code requests processed.

News Brief

On March 1, 2016, the YORK rate center was consolidated under the LEEDS rate center in the North Dakota 701 NPA.

NANPA posted to its website a document titled "Getting Started for Interconnected VoIP Providers." This document provides a high level summary of the process for interconnected VoIP providers to obtain numbering resources (i.e., central office codes and thousands-blocks) directly from NANPA and the Pooling Administrator.

Top states in terms of net CO code assignments in 2015 were: California (628), Texas (387), Florida (209), New York (207) and Michigan (154). Top NPA was the Houston, Texas overlay complex (713/281/832/346) with 87 net assignments.

The 2015 NANPA Annual Report is now available on the NANPA website (http://www.nationalnanpa.com/reports/reports_annual.html). The annual report provides an excellent summary of the status of all NANP resources, addresses NANPA's quality assurance measurements and includes a summary of numbering activities over the past year.

In 2015, 98% of all CO code assignment applications processed by NANPA came through Pooling Administration. Only 2% were submitted directly to NANPA.

The 2016 NPA, NANP and 5XX NPA exhaust projections will be available in April on the NANPA website (www.nanpa.com). The assumptions and methodology used in both the NPA and NANP exhaust analysis will remain the same as in previous studies.

Service providers are reminded that numbering resources assigned by NANPA or the Pooling Administrator should be reported on utilization forms U1 or U2 (Primary Carrier), and not on U3 or U4 (Intermediate Carrier). Doing so will cause the resources to stay on the Utilization Missing Report (UMR) in NAS and the service provider will receive notification from NANPA. NANPA strongly recommends service providers run a UMR under NRUF reports. ■

Feature Group (FG) B Carrier Identification Codes (CICs)

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

Feature Group (FG) D Carrier Identification Codes (CICs)

In 2015, NANPA assigned 23 FG D CICs. US/Canadian switchless resellers received two of these assignments. A total of 42 FG D CICs were returned or reclaimed in 2015.

At the end of 2015, 1,973 FG D CICs were assigned in total, leaving 7,804 FG D CICs available for assignment. The potential exhaust of the FG D CIC resource is not a concern based on the current rate of assignment. It should be noted that the FCC limits the number of FG D CIC assignments to two per "entity." ■

Area Code Relief Planning Activity

A summary of NPA relief planning projects is provided below:

- **Ohio 614/380 Overlay Completed** – In January 2015, the Public Utilities Commission of Ohio issued its decision that the telecommunications industry should proceed with the implementation of the 614/380 overlay. Mandatory 10/1+10-digit dialing started January 30, 2016. The effective date for the new 380 NPA was February 27, 2016. (See PL-477).
- **Alberta, Canada 403/587/780/825** – The 825 NPA will be added to this overlay complex effective April 9, 2016. (See PL-488).
- **North Carolina 336/743 Overlay** – On August 13, 2014, the North Carolina Utilities Commission approved an all-services overlay of the 336 NPA. The new 743 NPA will serve the same geographic area currently served by the existing 336 NPA. Permissive 10-digit dialing started October 24, 2015 with mandatory 10-digit dialing starting April 23, 2016. The effective date for the new 743 NPA is May 23, 2016. (See PL-475).
- **Southwestern Ontario, Canada 226/519/548** – The 548 NPA will be added to this overlay complex effective June 4, 2016. (See PL-472).
- **New York 631/934 Overlay** – On December 17, 2014 the New York State Public Service Commission approved an all-services overlay of the 631 NPA. The new 934 NPA will serve the same geographic area currently served by the existing 631 NPA. Permissive 10-digit dialing started July 18, 2015. Mandatory 10-digit dialing will begin June 18, 2016. The effective date for the new 934 NPA is July 16, 2016. (See PL-476R1).
- **Indiana 317/463 Overlay** – On April 8, 2015, the Indiana Utility Regulatory Commission approved an all-services overlay of the 317 NPA. The new 463 NPA will serve the same geographic area currently served by the existing 317 NPA. Permissive 10-digit dialing started March 19, 2016 with mandatory 10-digit dialing starting September 17, 2016. The effective date for the new 463 NPA is October 17, 2016. (See PL-482).

- **New York 315/680 Overlay** – On July 16, 2015, the New York State Public Service Commission approved an all-services overlay of the 315 NPA. The new 680 NPA will serve the same geographic area currently served by the existing 315 NPA. Permissive 10-digit dialing started March 12, 2016, with mandatory 10-digit dialing starting February 11, 2017. The effective date for the new 680 NPA is March 11, 2017. (See PL-485).
- **New York 212/646/917/332 Overlay Complex** – On November 19, 2015, the New York State Public Service Commission approved the addition of a new area code to the 212/646/917 overlay complex. The 332 NPA will be added to the overlay complex effective June 10, 2017. (See PL-489)
- **Awaiting Decision on California 323 NPA** – On April 22, 2015, NANPA conducted a relief planning meeting for the 323 NPA and consensus was reached to recommend an NPA boundary elimination overlay between 213 and 323 NPAs. The recommendation proposed the 213 and 323 area codes collectively serve the same geographic area currently served separately by the two NPAs. Public meetings were conducted in September (two local jurisdiction and four public meetings). An application for relief was filed with the California Public Utilities Commission on November 24, 2015.
- **Texas 210 NPA**– On October 6, 2015, NANPA filed a petition on behalf of the industry with the Public Utility Commission of Texas recommending an all-services overlay of the 210 area code.
- **California 805 NPA** – On October 21, 2015, NANPA conducted a relief planning meeting for the 805 NPA. The industry reached consensus to recommend an all-services overlay. Public and local jurisdiction meetings are planned for August 2016.
- **California 916 NPA** – On October 22, 2015, NANPA conducted a relief planning meeting for the 916 NPA. The industry reached consensus to recommend an all-services overlay. Public and local jurisdiction meetings are planned for August 2016.
- **Pennsylvania 717 NPA** – On October 23, 2015, NANPA filed a petition on behalf of the industry with the Pennsylvania Public Utility Commission recommending an all-services overlay of the 717 NPA.
- **Idaho 208/986 Overlay** – On November 2, 2015, the Idaho Public Utilities Commission approved an all-services overlay of the 208 NPA. The new 986 NPA will serve the same geographic area currently served by the existing 208 NPA. Permissive 10-digit dialing is scheduled to begin November 5, 2016 with mandatory 10-digit dialing starting August 5, 2017. The effective date for the new 986 NPA is September 5, 2017. (See PL-490).
- **California 619 NPA Relief Planning Initiated** – On January 20, 2016, NANPA conducted a relief planning meeting for the 619 NPA. Industry consensus was reached to recommend an NPA boundary elimination overlay between 619 and 858 NPAs. The recommendation proposes the 619 and 858 area codes collectively serve the same geographic area currently served separately by the two NPAs. Public and local jurisdiction meetings are planned for October 2016. ■

NAS Changes Coming

On February 11, 2016, the FCC approved NANPA Order 4. This change order was in response to two INC issue resolutions concerning modifications to INC guidelines and associated forms resulting from the FCC's Order on direct access to numbers for interconnected VoIP providers. These changes include the following:

- Updating references to the Code of Federal Regulations (CFR) that appear on the various number resource forms.
- Modifications to the iconectiv trademark for 'CLLI' found on various resource forms.
- Removal of unnecessary CIC and ACNA fields on the 9YY Part A, B, and C forms.
- Addition of new instructions for interconnected VoIP service providers on the CIC Part A application form.
- Various changes to the 9YY application forms, including:
 - » Deletion of the option to provide certification on the Part A assignment form;
 - » Addition of the Months-To-Exhaust on the Part A assignment form; and
 - » Addition of code information confirmation to the Part B disposition form.
- Reference to January 4, 2016 as the correct version date for the above resource forms.

Work is currently underway to include the above modifications on all appropriate resource forms in NAS. Expectations are these changes will be deployed in 2Q16. ■



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2015 NRUF Processing Volumes

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

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

Although processing volumes were down from 2014 when NANPA processed over 14,300 FCC Form 502s, the quantity of error notifications, missing utilization notifications and anomalous notifications also decreased, indicating a more efficient NRUF filing process in 2015.

	2015	2014	2013	2012	2011
Total Submissions	13,665	14,354	14,382	16,574	15,604
Email	7,379	7,533	7,678	7,294	7,276
FTP	1,801	1,924	1,934	2,321	2,443
Web	4,485	4,897	4,770	6,959	5,885
CD	0	0	0	0	0
Total confirmations	7,520	7,687	7,434	7,328	7,664
Total error notifications	1,598	1,708	2,110	2,210	1,946
Total missing utilization notifications	581	613	672	705	911
Total anomalous notifications	520	577	667	627	695

On an annual basis, the email submission method remains the most popular method of submitting an NRUF, followed by NAS (Web), then FTP. The popularity of filing methods, however, tends to shift after the semi-annual due dates of February 1 and August 1, when filing on-line in NAS is the most popular method. ■