

NAS to the Cloud

NANPA continues its effort to migrate the NANP Administration System (NAS) to a cloud platform. On September 30, 2016, the FCC approved Change Order 6, which proposed moving NAS to the Amazon Web Services (AWS) cloud platform.

NANPA is presently targeting the end of April 2017 for this transition. Notification will be distributed to the industry. The transition to the cloud platform will be transparent to NAS users. After transition, NAS will operate in the same manner as it does today. NAS user IDs and passwords will remain the same. NAS functionality, to include the various queries and reports, will operate in the same manner. ■

NANP Resource Status Update

The following is an update on NANP resource assignment activity from January 1, 2016 through December 31, 2016.

Seven new NPA codes were introduced in 2016:

Location	Area Codes	In-Service Date
Ohio	NPA 380 overlays NPA 614	2/27/16
Alberta, Canada	NPA 825 added to NPA 403/587/780 complex	4/9/16
North Carolina	NPA 743 overlays NPA 336	5/23/16
SW Ontario, Canada	NPA 548 added to NPA 226/519 complex	6/5/16
New York	NPA 934 overlays NPA 631	7/16/16
Non-Geographic	NPA 522 relieves NPAs 500, 533, 544, 566, 577 & 588	8/1/16
Indiana	NPA 463 overlays NPA 317	11/15/16

Five NPAs were assigned in 2016. NPA 726 was assigned as the relief area code for the Texas 210 NPA. NPA 838 was assigned as the relief area code for the New York 518 NPA. NPA 223 was assigned as the relief code for the Pennsylvania 717 NPA. NPA 445 was assigned as the relief code for the Pennsylvania 215/267 overlay complex. NPA 522 was assigned as the relief NPA for the non-geographic 5XX NPAs.

continued on page 2

Mark Your Calendar!

INC Calendar

INC 154 Week of May 8, 2017
Bellevue, WA

INC 155 Week of July 24, 2017
Denver, CO

NANC Calendar

June 29, 2017 Washington DC

September 21, 2017 Washington DC

December 7, 2017 Washington DC

NANP Resource Update

continued from page 1

Central Office Code Activity for January – December 2016

	2016	2015	2014	2013	2012	2011	2010
Total Code Requests Processed	10,272	14,051	12,400	20,362	10,243	13,782	12,100
Total Assignments	3,405	3,728	3,414	2,712	2,637	2,889	2,795
Net Assignments	3,184	3,495	3,155	2,428	2,065	2,273	2,484
Changes	5,963	9,476	7,980	16,366	6,199	9,336	8,203
Denials	683	614	747	1,000	833	941	792
Returns	221	233	259	284	572	616	311
Cancellations	153	71	118	267	181	176	264
Reservations	0	0	0	0	2	0	0
Pooling Pass Throughs	6,525	7,210	7,144	7,995	7,321	9,441	6,936

FG B Carrier Identification Codes (CICs)

In 2016, no FG B CICs were assigned by NANPA and nine FG B CICs were returned or reclaimed. At the end of 2016, 251 FG B CICs were assigned in total.

FG D Carrier Identification Codes (CICs)

NANPA assigned 23 FG D CICs in 2016. US/Canadian switchless resellers received one of these assignments. A total of 33 FG D CICs were returned/reclaimed. As of the end of 2016, 1,963 FG D CICs were assigned in total, leaving 7,814 FG D CICs available for assignment.

5XX NPA

In 2016, 827 5XX-NXX codes were assigned. At the end of 2016, a total of 4,976 5XX-NXX codes were assigned. Fifty 5XX-NXX codes were returned in 2016 and 561 codes remained available for assignment. Sixty-three 5XX-NXX codes are not available for assignment (5XX-555 and all 5XX-N11).

900 NPA

No 900-NXX codes were assigned in 2016. Five codes were returned. Forty-seven (47) 900-NXX codes were not available for assignment as of December 31, 2016. These include eight 900-N11 codes and 39 900-NXX codes reserved for Canadian use. At the end of 2016, a total of 55 900-NXX assignments were in effect. The quantity of 900-NXX codes available for assignment was 698.

555 Line Numbers

In 2016, there were no new 555 line number assignments due to an FCC moratorium on assignments. A total of 2,914 line numbers were reclaimed or returned during the year. On September 30, 2016, the FCC approved NANPA Change Order 5 and on October 31, 2016, NANPA published Planning Letter 498 announcing the sunset of the 555 NXX Assignment Guidelines.

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. No 800-855 numbers were assigned or recovered in 2016. A total of 93 800-855 line numbers were assigned at the end of 2016.

NPA 456 (International Inbound Service),

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 2016. One 456-NXX code was recovered. There were two 456-NXXs assigned at the end of 2016.

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 2016.

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 2016. ■

Area Code Relief Planning Activity

A summary of NPA relief planning projects is provided below:

New York 315/680 Overlay Completed—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 beginning February 11, 2017. The in service date for the new 680 NPA was March 11, 2017. (See PL-485).

New York 212/646/917 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 on June 10, 2017. (See PL-489).

California NPA 323/213 Boundary Elimination—On July 14, 2016, the California Public Utilities Commission approved a boundary elimination overlay as the relief method for the 323 NPA. Permissive 1+10-digit dialing started January 14, 2017 with mandatory 1+10-digit dialing beginning July 8, 2017. The effective date of the boundary elimination is August 1, 2017. (See PL-494).

Washington 360 NPA Overlay—On May 19, 2016, the Washington Utilities and Transportation Commission conducted an open hearing to discuss the proposed area code relief plan for the western Washington area codes (NPAs 206, 253, 360 and 425). It was agreed that 10-digit dialing would be implemented in all the western NPAs along with an overlay of the 360 area code with the 564 NPA. Permissive 10-digit dialing started January 28, 2017, with mandatory dialing beginning July 29, 2017. The in service date for the new 564 NPA is August 28, 2017. (See PL-492).

Idaho 208 NPA 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 started November 5, 2016 with mandatory 10-digit dialing beginning August 5, 2017. The in service date for the new 986 NPA is September 5, 2017. (See PL-490).

New York 518 NPA Overlay—On September 15, 2016, the New York State Public Service Commission approved an all-services overlay of the 518 area code. The new 838 NPA will serve the same geographic area currently served by the existing 518 NPA. Permissive 10-digit dialing started March 18, 2017 with mandatory 10-digit dialing beginning August 19, 2017. The in service date for the new 838 NPA is September 19, 2017. (See PL-497).

Pennsylvania 717 NPA Overlay—On October 27, 2016, the Pennsylvania Public Utility Commission approved an all-services overlay of the 717 area code. The new 223 NPA will serve the same geographic area currently served by the existing 717 NPA. Permissive 10-digit dialing started March 4, 2017 with mandatory

NPA Code Reservations

When a geographic area code is projected to exhaust in the next ten years, the NPA Allocation and Assignment Guidelines (ATIS-0300055) require NANPA to reserve an available NPA to serve as the relief NPA. The criteria listed in the guidelines that NANPA is to use when identifying the reserved area code 1) includes the reserved code being significantly different from NPAs in use in the local area and 2) the reserved NPA code is not used as a central office code in the exhausting NPA. It should be noted however when adding an NPA to an existing overlay complex, the need for the reserved NPA code not to be assigned as a central office code in the exhausting NPA is unnecessary since ten-digit dialing is already in place.

A list of reserved NPAs is included in the NANPA Annual Report. After the publication of the semi-annual NPA exhaust projections, NANPA will revise this list as necessary. If a geographic NPA is projected to exhaust and no NPA has been reserved for its relief, NANPA will reserve an area code. Conversely, when the existing geographic NPA with a reserved relief code is projected to exhaust outside of 10 years, the reserved relief code will be released.

NANPA does not publicly identify which specific NPA is reserved for an existing, in service area code because changes to the reserved NPA code may be required. Also, to avoid potential confusion that may lead to the premature implementation of the new NPA, the reserved area code is typically made public only after the state regulatory authority has made a decision concerning the relief alternative to be implemented. ■

NRUF and the Thousands-Block Forecast in PAS

According to the Industry Numbering Committee (INC) Thousands-Block Number (NXX-X) Pooling Administration Guidelines, service providers are required to submit the Thousands-Block Forecast (Appendix 1) to the Pooling Administrator on a semi-annual basis for all rate centers in which they operate and where pooling has been implemented.

Service providers should be aware the NRUF forecast, also submitted semi-annually using worksheets F1A-F3B in FCC Form 502, is not the same as the Thousands-Block Forecast (Appendix 1).

NRUF forecasts are submitted in the NANP Administration System (NAS) and Thousands-Block Forecasts are submitted in the Pooling Administration System (PAS).

More information on NRUF forecasting can be found in the Form 502 Instructions (https://www.nationalnanpa.com/nruf_resources/index.html). The PAS Service Provider and Service Provider Consultant User Guide (<https://www.nationalpooling.com/>) provides detailed instructions on submitting the Thousands-Block Forecast. ■

continued on page 4

News Brief

On March 8, 2017, the BELEN, BERNALILLO, ESTANCIA, LAGUNAACOM, LOS LUNAS, MORIARTY, MOUNTAINAR, PENABLANCA, and TIJERAS rate centers were consolidated under the ALBUQUERQUE rate center in the New Mexico 505 NPA.

NANPA Planning Letter 503, published March 15, 2017, announced that the 879 NPA will be implemented on November 24, 2018 as a distributed overlay over the geographic area of the province of Newfoundland and Labrador currently served by the 709 area code.

NANPA Planning Letter 504, published March 17, 2017, announced that the 367 NPA will be added to the eastern Ontario, Canada 418/581 overlay complex on November 24, 2018.

NANPA Planning Letter 505, published March 24, 2017, announced the available supply of 5XX-NXXs was forecasted to exhaust in 2H17. The 521 NPA will be used as the next 5XX NPA. NANPA will continue to keep the industry posted on the current supply of 5XX NPA NXXs and when assignments from the new 521 NPA will commence.

The April 2017 NPA, NANP and 5XX NPA exhaust projections will be posted on the NANPA website at the end of April. Notice of their availability will be provided via the NANP Notification System.

NANPA published revised NPA exhaust projections for Texas 214/469/972 (3Q2020), Pennsylvania 484/610 (2Q2021) and California 805 NPA (2Q2018).

Top states in terms of net CO code assignments in 2016 were: California (454), Texas (288), New York (213) and Florida (209). Top NPA was the Atlanta, Georgia overlay complex (404/678/770/470) with 62 net assignments.

The 2016 NANPA Annual Report is 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 2016, 99% of all CO code assignment applications processed by NANPA came through Pooling Administration.

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 (Intermediary 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. ■

Area Code Relief Planning Activity

continued from page 3

10-digit dialing beginning August 26, 2017. The in service date for the new 223 NPA is September 26, 2017. (See PL-501).

Texas 210 NPA Overlay—On July 20, 2016, the Public Utilities Commission of Texas approved an all-services overlay of the 210 NPA. The new 726 NPA will serve the same geographic area currently served by the existing 210 NPA. Permissive 10-digit dialing started March 25, 2017 with mandatory 10-digit dialing beginning September 23, 2017. The in service date for the new 726 NPA is October 23, 2017. (See PL-495).

Addition of NPA 445 to the Pennsylvania 215/267 Overlay Complex—On November 9, 2016, the Pennsylvania Public Utility Commission approved the addition of a new area code to the 215/267 overlay complex. The 445 NPA will be added to the overlay complex on March 3, 2018. (See PL-499).

Overlay Ordered for California 916 NPA—On February 9, 2017, the California Public Utilities Commission approved an all-services overlay of the 916 area code. The new 279 NPA will serve the same geographic area currently served by the existing 916 NPA. Permissive 1+10-digit dialing is scheduled to begin August 12, 2017 with mandatory 1+10-digit dialing starting February 10, 2018. The in service date for the new 279 NPA is March 10, 2018. (See PL-502).

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 were held in August 2016. An application for relief was filed with the California Public Utilities Commission on November 17, 2016. On March 17, 2017, NANPA has revised the projected exhaust date for the 805 NPA, moving it from 4Q2017 to 2Q2018.

California 619 NPA—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 were held in October 2016. An application for relief was filed with the California Public Utilities Commission on December 15, 2016. On March 28, 2017, the Administrative Law Judge released his decision in support of the proposed boundary elimination overlay.

California 510 NPA—On June 20, 2016, NANPA conducted a relief planning meeting for the 510 NPA. Industry consensus was reached to recommend an all-services overlay. Public and local jurisdiction meetings were held in January and February 2017.

California 909 NPA—On October 7, 2016, NANPA conducted a relief planning meeting for the 909 NPA. The industry reached consensus to recommend an all-services overlay. Public and local jurisdiction meetings took place in early April 2017.

Newfoundland & Labrador, Canada 709 NPA—On February 2, 2017, the Canadian Radio-television and Telecommunications Commission (CRTC) approved an overlay of the 709 NPA. The new 879 NPA will serve the same geographic area currently served by the existing 709 NPA. The in service date for the 879 NPA is November 24, 2018. (See PL-503).

Eastern Quebec, Canada 418/581 Overlay Complex—On February 2, 2017, the Canadian Radio-television and Telecommunications Commission (CRTC) approved the addition of a new area code to the 418/581 overlay complex. The 367 NPA will be added to this overlay complex on November 24, 2018. (See PL-504). ■



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Neustar, Inc.

Neustar, Inc.
President and CEO
Lisa Hook

Sr. Director, NANPA
John Manning

Neustar, Inc.
Corporate Headquarters
21575 Ridgetop Circle
Sterling, VA 20166 USA

www.neustar.biz
www.nanpa.com

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2016 NRUF Processing Volumes

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 2016, NANPA processed over 13,300 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 related to NRUF.

Summary by Year

	2016	2015	2014	2013	2012	2011
Total	13,334	13,665	14,354	14,382	16,574	15,604
Email	7,627	7,379	7,533	7,678	7,294	7,276
FTP	1,525	1,801	1,924	1,934	2,321	2,443
Web	4,182	4,485	4,897	4,770	6,959	5,885
CD	0	0	0	0	0	0

Reviewed monthly, submission volumes peak in January and July as these are the months preceding the NRUF filing due dates of February 1 and August 1.

NRUF Filing Volume by Month – 2016

	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Total	4,338	1,320	457	296	226	260	4,261	955	534	298	190	199
Email	2,408	854	236	90	126	88	2,575	606	267	171	96	110
FTP	703	118	0	0	0	0	678	5	15	2	0	4
Web	1,227	348	221	206	100	172	1,008	344	252	125	94	85

After the due dates, many service providers have the need to respond to missing utilization/anomalous notifications and update their forecast.

NANPA reminds service providers to use the updated June 2016 NRUF Form 502 Excel™ spreadsheet when using the email submission method. ■