

**FILED**  
JUL 10 2018

COURT CLERK'S OFFICE - OKC  
CORPORATION COMMISSION  
OF OKLAHOMA

**BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA**

**IN THE MATTER OF A GENERAL )  
INVESTIGATION INTO THE EXHAUST )  
OF THE 405 NPA: APPLICATION OF THE )  
NORTH AMERICAN NUMBERING PLAN )  
ADMINISTRATOR ON BEHALF OF THE )  
OKLAHOMA TELECOMMUNICATIONS )  
INDUSTRY )**

**CAUSE NO. PUD 201800086**

**APPLICATION OF THE  
NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR  
ON BEHALF OF THE OKLAHOMA TELECOMMUNICATIONS INDUSTRY**

Neustar, Inc., the North American Numbering Plan Administrator ("NANPA"), in its role as the neutral third party NPA Relief Planner for Oklahoma under the North American Numbering Plan and on behalf of the Oklahoma Telecommunications Industry ("Industry"),<sup>1</sup> petitions the Oklahoma Corporation Commission ("Commission")<sup>2</sup> for approval of the Industry's consensus decision<sup>3</sup> to recommend to the Commission an all-services distributed overlay as the preferred form of relief for the 405 Numbering Plan Area ("NPA").<sup>4</sup> The Industry submits its recommendation to the Commission based upon NANPA's projections that absent NPA relief, the supply of central office codes (often referred to as "CO" or "NXX" codes) in the 405 NPA will exhaust during second quarter

<sup>1</sup> The Industry is composed of current and prospective telecommunications carriers operating in, or considering operations within, the 405 area code of Oklahoma.

<sup>2</sup> The Federal Communications Commission ("FCC") delegated authority to review and approve NPA relief plans to the states. See 47 C.F.R. § 52.19.

<sup>3</sup> Consensus as used in this document means: Consensus is established when substantial agreement has been reached among those participating in the issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement. The Alliance for Telecommunications Industry Solutions Inc. (ATIS) Operating Procedures at [https://www.atis.org/01\\_legal/docs/OP.pdf](https://www.atis.org/01_legal/docs/OP.pdf), §7.1, ver. 5.4 (ATIS Mar. 1, 2015) (See Exhibit B).

<sup>4</sup> As the neutral third party administrator, NANPA has no independent view regarding the relief option selected by the Industry.

OKLA CORP COM  
RECEIPT 1900370055  
Date: 07/10/2018 Time: 16:24  
Case: 201800086 PUD Cashier: CRS  
Payor: NORTH AMERICAN NUMBERING PLA  
Cash: \$100.00  
71 OIL&GAS/TRAN/PUD App

of 2021.<sup>5</sup> In order to allow sufficient time for completion of the selected relief plan prior to exhaust of CO codes in the 405 NPA, the Industry recommends that the Commission approve the recommended 13-month implementation schedule set forth herein. In support of this petition and behalf of the Industry, NANPA submits the following:

## **I. BACKGROUND**

In April 2018, NANPA published a Number Resource Utilization Forecast (“NRUF”) and NPA Exhaust Analysis (“2018 NRUF Report”) which indicated that the 405 NPA will exhaust during the second quarter of 2021.<sup>6</sup> NANPA convened an Industry relief planning meeting on May 30, 2018, via conference call, to discuss relief alternatives.<sup>7</sup> Pursuant to the NPA Relief Planning Guidelines, NANPA began the relief planning process by announcing the need for relief and distributing an Initial Planning Document (“IPD”)<sup>8</sup> to the Industry prior to the relief planning meeting on April 26, 2018.<sup>9</sup> NANPA did not provide a geographic split alternative as NANPA determined that no split alternative

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<sup>5</sup> In order to plan for the introduction of new area codes, NANPA and the Industry utilize the NPA Code Relief Planning and Notification Guidelines (ATIS-0300061, June 8, 2018) (“NPA Relief Planning Guidelines”). The NPA Relief Planning Guidelines assist NANPA, the Industry and regulatory authorities within a particular geographic NPA in the planning and execution of relief efforts. The NPA Relief Planning Guidelines can be accessed on the ATIS website located at [https://www.atis.org/01\\_committ\\_forums/inc/documents/](https://www.atis.org/01_committ_forums/inc/documents/).

<sup>6</sup> April 2018 Number Resource Utilization Forecast (“NRUF”) and NPA Exhaust Analysis (“2018 NRUF Report”). The 2018 NRUF Report can be accessed on the NANPA website at [https://www.nationalnanpa.com/reports/reports\\_npa.html](https://www.nationalnanpa.com/reports/reports_npa.html).

<sup>7</sup> A copy of the May 30, 2018 meeting minutes, handouts and lists of invitees and attendees are attached as Exhibit A.

<sup>8</sup> The IPD and other relief planning materials distributed to the Industry on April 26, 2018 is attached as Exhibit B.

<sup>9</sup> NANPA is responsible for initiating area code relief in sufficient time to prevent exhaust of numbering resources before relief is implemented, typically 36 months prior to exhaust.

consistent with the NPA Relief Planning Guidelines could be developed. NANPA determined that only an overlay relief plan will meet the NPA Relief Planning Guidelines. No additional alternatives were proposed by Industry members during the relief planning meeting. The IPD contained descriptions, maps, general facts and assumptions, and the projected lives of two overlay relief alternatives for the 405 NPA. The two alternative relief plans that NANPA recommended are as follows:

**ALTERNATIVE #1 – ALL SERVICES DISTRIBUTED OVERLAY**

A new NPA code would be assigned to the same geographic area occupied by the existing 405 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 405 NPA, all future code assignments will be made in the overlay area code. The projected life of this NPA will be 43 years before exhaust.

**ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY**

The boundary between the existing 405 and 918/539 NPA codes would be eliminated and the 405 and 918/539 NPAs would be assigned to the same geographic areas occupied by the existing 405 and 918/539 NPAs. All 405 NPA and 918/539 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 405 and 918/539 NPAs in the affected area would be required. Available central office codes in the 918/539 overlay NPA will be assigned upon request in the 405 area upon the effective date of the boundary elimination, and conversely, 405 NPA central office codes could be assigned upon request in the 918/539 NPA area upon the effective date of the boundary elimination. Currently, the

918/539 has a forecasted exhaust of 4Q2042; eliminating the boundary to include the 405 NPA area would result in a projected combined life of approximately 27 years before additional relief would be required.

At the meeting, the participants discussed the attributes of the various relief alternatives. Participants were not in favor of Alternative #2, the NPA boundary elimination due to the complicated customer education that would be required and reached consensus to recommend to the Commission Alternative #1, an all-services distributed overlay plan, as the preferred method of relief for the 405 NPA.

## **II. DESCRIPTION OF THE RECOMMENDED ALL-SERVICES DISTRIBUTED OVERLAY RELIEF PLAN**

The recommended all-services distributed overlay, Alternative #1, would overlay a new NPA over the same geographic area covered by the existing 405 NPA. All existing customers would retain the 405 area code and would not have to change their telephone numbers. In accordance with FCC regulations, the relief plan would require 10-digit dialing for calls within and between the 405 NPA and the new overlay NPA.<sup>10</sup> CO code assignments would be made from the new overlay area code beginning one month after mandatory dialing begins. The projected life of the all-services distributed overlay, Alternative #1 is 43 years.

The table below sets forth the Industry recommended dialing plan for the overlay:

### **OVERLAY DIALING PLAN FOR ALTERNATIVE #1**

<b>Type of Call</b>	<b>Call Terminating in</b>	<b>Dialing Plan</b>
Local Call	Home NPA (HNPA) or Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

<sup>10</sup> 47 C.F.R. §52.19(c)(3)(ii).

The Industry reached consensus to recommend to the Commission a 13-month implementation schedule for the all-services overlay. The recommended schedule, provided below, includes time intervals for each implementation phase, but does not include specific dates. The Industry respectfully requests that the Commission allow the Industry to select the specific implementation dates, once an order is issued, that do not interfere with certain holidays or conflict with other implementations occurring across the country. The recommended schedule is as follows:

**Recommended Implementation Schedule for an All-Services Distributed Overlay**

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period <i>(Calls within 405 NPA can be dialed using 7 or 10 digits)</i> Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period <i>(Effective date for codes from the new NPA)</i>	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

The Industry requests that the Commission approve this timeline in order to ensure the timely implementation of relief and to facilitate customer education. Adhering to the proposed implementation schedule will avoid the denial or delay of service to telecommunications providers' customers due to the unavailability of CO Codes.

**III. CONCLUSION**

The Industry has determined the need to initiate relief efforts for the 405 NPA in Oklahoma to prevent the exhaust of numbering resources. NANPA, on behalf of the Industry, requests that the Commission issue an order approving the Industry recommended all-services distributed overlay alternative as the means of relief for the 405

NPA. The Industry will begin implementing NPA relief once the Commission has issued a final order approving the instant petition.

Respectfully submitted,



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A. Grant Schwabe, OBA #20543  
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**Counsel for Neustar, Inc.  
North American Numbering Plan Administrator**

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NPA Relief Planner  
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July 10, 2018

# **EXHIBIT A**



July 3, 2018

To: All 405 NPA Code Holders and Other Industry Members (Oklahoma)

Subject: Final Minutes of May 30, 2018 IPD Conference Call

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Attached are the final meeting minutes from the May 30, 2018, OK 405 NPA relief planning meeting. NANPA conducted a conference call to review and approve these minutes on June 26, 2018, and minor edits were made. No later than July 11, 2018, NANPA will file the petition for relief of the 405 NPA using the meeting results reflected in these minutes.

Please feel free to contact me if you have any questions regarding any aspect of relief planning, or have any questions about receiving notices and documents via NNS. I can be reached on 571-434-5765 or via email at the address below.

Sincerely,

Heidi A. Wayman  
NPA Relief Planner  
NANPA  
e-mail: heidi.wayman@team.neustar

C: Jenny Dillon – OCC Staff  
Mark Argenbright – OCC Staff

Attachments

**OKLAHOMA 405 NPA  
INITIAL RELIEF PLANNING MEETING  
VIA CONFERENCE CALL  
FINAL MINUTES  
May 30, 2018**

**WELCOME, INTRODUCTIONS & AGENDA REVIEW**

Heidi Wayman, NPA Relief Planner - NANPA, welcomed the participants and reviewed the objective of the meeting. A list of attendees can be found in Attachment 1. Heidi then reviewed the agenda and NANPA's roles and responsibilities.

**NANPA's ROLE AND RESPONSIBILITIES**

Heidi reviewed NANPA's role and responsibilities for today's meeting as follows:

- NANPA starts the relief planning process 36 months prior to exhaust of the NPA.
- Distribute the Initial Planning Document (IPD) at least four weeks prior to the Relief Meeting – posted on NNS April 26, 2018.
- Review the relief alternatives presented in the IPD.
- Check to see if there are any additional relief alternatives from the participants.
- Discuss the alternatives and list some pros and cons for each alternative.
- Then, the main objective is achieved by reaching consensus on the relief alternative the industry wants to recommend to the Oklahoma Corporation Commission.
- Also determine any additional items to include in a filing with the OCC such as dialing plan and implementation intervals.
- Then NANPA is charged with the responsibility of filing a relief petition, on behalf of the industry, with the regulatory authority. Once the industry comes to consensus on what should be included in the filing, NANPA will file the legal document within six weeks of today's meeting per the INC guidelines (i.e., by July 11, 2018) or as decided by the industry or as required by the state statute.

**REVIEW CONSENSUS PROCESS AND NPA RELIEF PLANNING GUIDELINES**

Heidi stated that the ATIS (Alliance for Telecommunications Industry Solutions) approved industry consensus process would be followed. She reviewed the consensus process and explained how consensus is determined. In addition, Heidi stated that the minutes would be comprised of consensus agreements, and that issues not captured by consensus could be expressed in the form of a Statement for the Record, which could be conveyed at any point during the meeting.

Heidi referred the participants to the relief planning meeting aids included in the IPD document: the Excerpts from the INC NPA Code Relief Planning & Notification Guidelines, and the Implementation Interval and Dialing Plan charts. Heidi has also included Population Counts and Projections from 2010-2016. These meeting aids will assist the participants in their decision making and to make a recommendation for relief.

The NPA Code Relief Planning & Notification Guidelines, as well as other relevant NPA assignment guidelines, may be downloaded from the ATIS web site at: ([www.atis.org](http://www.atis.org)).

#### **REVIEW INITIAL PLANNING DOCUMENT FOR THE 405 NPA**

Heidi reviewed the Initial Planning Document (IPD) distributed on April 26, 2018.

#### **RELIEF PLANNING BACKGROUND AND ASSUMPTIONS:**

Prior relief planning of the 405 NPA was conducted with the industry recommending an all-services overlay in 2000, but with the introduction of one-thousand-block-number pooling in March 2002 and the extension of the exhaust forecast, the Oklahoma Corporation Commission in a decision on May 13, 2004, under Case No. PUD 2000-00597, decided to dismiss the relief petition that NANPA filed for the 405 NPA instead of ordering relief.

#### **CO CODE SUMMARY:**

As of May 29, 2018, the 405 NPA has 732 codes assigned, 50 codes available for assignment and 18 Un-Assignable codes. There are 47 service provider OCNs that are CO code and/or one-thousand block holders. It should be noted that Oklahoma City rate center has 45% of the assigned NXX Codes. Another important note is the 405 NPA has a Wide Area Calling Plan (WACP). There is a map attached to the IPD of the WACP. (See attachment 2)

As of May 29, 2018, the 918 NPA has 775 codes assigned, 1 code available for assignment and 24 Un-Assignable codes. The 539 NPA has 75 codes assigned, 702 codes available for assignment and 23 Un-Assignable codes. In the 918/539 NPA overlay area there are a total of 71 service providers. (See attachment 3)

#### **NPA STATUS**

Heidi informed the participants that the April 2018 Number Resource Utilization Forecast ("NRUF") projects the 405 NPA to exhaust during the 2nd Quarter 2021. The monthly CO Code demand projection is 1.28 codes per month (15 codes per year).

Heidi informed the participants that the April 2018 NRUF projects the exhaust of the 918/539 overlay in 4<sup>th</sup> Quarter 2042. The monthly CO Code demand projection is 1 code per month (12 codes per year).

#### **NUMBER POOLING INFORMATION**

Cecilia McCabe, Neustar – Number Pooling Implementation Manager, reported that in the 405 NPA pooling commenced on March 14, 2002, there are 93 rate centers (RCs), 70 RCs are mandatory pooling, 8 rate centers are mandatory-single service providers, 5 rate centers are optional and 10 rate centers are excluded. For the time period of June 1, 2017 to May 29, 2018, 148 blocks have been assigned in the 405 NPA, and as of May 29, 2018 there are 558 blocks available for assignment to service providers. Pooling has assigned 15 codes in the same period,

9 for pool replenishment, 0 for dedicated customers and 6 for LRNs. The forecasted demand for the next 12 months is 34 codes for pool replenishment and dedicated customers and 0 for LRNs. (See attachment 4)

Cecilia McCabe also reported that in the 918/539 NPAs pooling commenced on May 7, 2002. There are 181 rate centers (RCs), 43 rate centers are mandatory pooling, 26 rate centers are mandatory-single service providers, 73 rate centers are optional and 39 rate centers are excluded. For the time period of June 1, 2017 to May 29, 2018, 174 blocks have been assigned in the 918/539 NPAs, and as of May 29, 2018, there are 1,116 blocks available for assignment to service providers. Pooling has assigned 24 codes in the same period, 17 for pool replenishment, 0 for dedicated customers and 7 for LRNs. The forecasted demand for the next 12 months is 39 codes for pool replenishment and dedicated customers and 0 for LRNs. (See attachment 5)

Heidi then briefly reviewed the following maps and related documents:

- Map showing location of all NPAs in Oklahoma
- NPA 405 Rate Center Map
- NPA 405 Rate Center & Cities Map
- NPA 405 Rate Center & Counties Map
- NPA 405 Rate Center, Counties & Highways Map
- NPA 405 Wide Area Calling Map
- NPA 405 Oklahoma City Metro Area Map
- Code Holder Table for 405 & 918/539 NPAs
- Rate Center Table for 405 & 918/539 NPAs

#### **EXPLANATION OF RELIEF ALTERNATIVE PREPARED BY NANPA**

The Oklahoma 405 NPA has a Wide Area Calling Plan that includes 47 rate centers. The Oklahoma City rate center has 45% of all of the code assignments in the 405 NPA. Split options and a concentrated overlay were reviewed, and NANPA determined that these options did not meet the NPA Relief Planning & Notification Guidelines. Please note there were minor edits made to the Relief Alternatives. (See attachment 6)

Heidi reviewed the following recommended relief alternatives and the associated maps in the Planning Document:

<b>OVERLAY ALTERNATIVE</b>
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#### **ALTERNATIVE #1 – ALL SERVICES DISTRIBUTED OVERLAY**

A new NPA code would be assigned to the same geographic area occupied by the existing 405 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 405 NPA, all future code assignments will be made in the overlay area code. A map is provided. The projected life would be:

Total CO Codes = 732  
 Total Rate Centers = 93  
 Area Code Life in Years = 43

**ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY**

The boundary between the existing 405 and 918/539 NPA codes would be eliminated and the 405 and 918/539 NPAs would be assigned to the same geographic areas occupied by the existing 405 and 918/539 NPAs. The 405 NPA and 918/539 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 405 and 918/539 NPAs in the affected area would be required. Available central office codes in the 918/539 overlay NPA will be assigned upon request in the 405 area with the effective date of the new area code boundary and available 405 NPA central office codes could be assigned upon request in the 918/539 NPA area. At exhaust of the 405 NPA, all future NXX code assignments will be made from the 918/539 overlay area code supply of central office codes. There are 181 rate centers in the 918/539 NPA with a forecasted exhaust of 4Q2042; eliminating the boundary to include the 405 NPA area would result in a projected life of approximately 27 years before additional relief would be required.

**405 NPA**  
 Total CO Codes = 732  
 Total Rate Centers = 93

**918/539 NPAs**  
 Total CO Codes = 850  
 Total Rate Centers = 181

Combined Area Code Life in Years = 27 years

**ADDITIONAL RELIEF ALTERNATIVE SUGGESTIONS**

Heidi sought ideas for additional alternatives. There were no additional suggestions.

**CONSENSUS ON RELIEF ALTERNATIVE RECOMMENDATION**

After further discussion, participants were not in favor of Alternative #2, the NPA boundary elimination due to the complicated customer education that would be required, and reached consensus to recommend to the Commission Alternative #1, an all-services distributed overlay plan, as the preferred method of relief for the 405 NPA.

**DIALING PLAN**

The following represents the existing dialing plan for an overlay in Oklahoma, and consensus was reached to recommend it for alternative #1 the all services overlay for the 405 NPA as well:

**OVERLAY DIALING PLAN FOR ALTERNATIVE #1**

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) or Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)

Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)
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**ESTABLISH IMPLEMENTATION SCHEDULE**

In connection with this issue, the INC guidelines state that NANPA should recommend mandatory dialing start 6-months prior to the forecasted exhaust of 2Q2021 - **which would be in 4Q2020.**

A recommendation was made and consensus reached to recommend to the Oklahoma Corporation Commission a 13-month schedule for implementation of the overlay shown with the interval periods listed below. Rather than be tied to the decision date, the implementation dates are to be consistent with the overall 13-month time period. The recommended schedule is as follows:

Interval Timeframes and Dates for Alternative #1 – All Services Distributed Overlay:

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period <i>(Calls within 405 NPA can be dialed using 7 or 10 digits)</i> Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period <i>(Effective date for codes from the new NPA)</i>	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

**STATEMENTS FOR THE RECORD**

There were no statements for the record.

**REVIEW OF DRAFT MEETING MINUTES**

Heidi stated that the draft minutes resulting from this meeting will be distributed to the industry via the NANP Notification Service (NNS) no later than June 13, 2018 and the draft relief petition will be distributed to the industry no later than June 19, 2018. It was agreed that NANPA will conduct a conference call to review and approve the draft minutes and approve the draft petition that will be filed with the Oklahoma Corporation Commission on June 26, 2018. NANPA will file the relief petition with the Oklahoma Corporation Commission no later than July 11, 2018.

Adjourned

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These minutes became final on June 26, 2018 with minor edits.

**405 NPA - OKLAHOMA**  
**Initial Relief Planning Meeting via Conference Call**  
**May 30, 2018**  
**Participants**

<b>NAME</b>	<b>COMPANY</b>
Sharon Poer	AT&T
Robert Tiece	Atlas Telephone Company
Chris Creason	Beggs Telephone
Jason Baxter	Bixby Telephone
Dave Guest	Central Oklahoma Telephone
Steve Guest	Central Oklahoma Telephone
Rita Schmitz	CenturyLink
Larry Jones	Chickasaw Telephone Company
Bryan Medina	Comcast
Sandra Jones	Cox Communications
Jennifer Tate	Cox Communications
Rob Logsdon	Cox Communications
Becky Cogburn	Dobson Technologies
Donna Wynn	Dobson Technologies
Jason Doughty	Hinton Telephone
Jill Kuehny	KanOkla Telephone Association
Edward Hilliary	Medicine Park Telephone
Becky Jefferson	Metro PCS
Heidi Wayman	NANPA Relief Planning
Al Cipparone	NANPA
Beth Sprague	NANPA
Cecilia McCabe	Neustar Pooling Implementation
Linda Hymans	Neustar Pooling
Jenny Dillon	Oklahoma Corporation Commission
Mark Argenbright	Oklahoma Corporation Commission
Bob Stafford	Oklahoma Telephone Association
Dustin Hilliary	Oklahoma Western Telephone
Brandi Iley	Oklatel Communications
Jana Wallace	Panhandle Cooperative
Rachelle Taylor	Panhandle Cooperative
Richard Ruhl	Pioneer Telephone Cooperative
Kirk Petty	Santa Rosa Telephone Cooperative

**405 NPA - OKLAHOMA**  
**Initial Relief Planning Meeting via Conference Call**  
**May 30, 2018**  
**Participants**

Shaunna Forshee	Sprint
Karen Riepenkroger	Sprint
Elsamma Mathew	T-Mobile
Paul Nejedlo	TDS Telecom
Anne Chism	TDS Telecom
Jeff Handley	TDS Telecom
Mark Gailey	Totah Communications
Laura Dalton	Verizon
Theresa Rico	Verizon
Raushawn Brown	Windstream

**Oklahoma**  
**NPA 405 NXX Summary**  
 Data as of 5/29/18

Attachment 2

<u>NPA</u>	<u>405</u>					
Assigned NXXs	732					
Protected NXXs	0					
Reserved NXXs	0					
Unavailable NXXs	18	See Note				
Available NXXs	50					
<b>Total</b>	<b>800</b>					
<b><u>Codes Assigned NPA 405</u></b>	<u>Jan-14</u>	<u>Feb-14</u>	<u>Mar-14</u>	<u>Apr-14</u>	<u>May-14</u>	<u>Jun-14</u>
	0	2	1	1	1	0
	<u>Jul-14</u>	<u>Aug-14</u>	<u>Sep-14</u>	<u>Oct-14</u>	<u>Nov-14</u>	<u>Dec-14</u>
	0	1	1	1	0	0
	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</u>	<u>May-15</u>	<u>Jun-15</u>
	0	0	3	2	1	5
	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>
	1	1	2	3	1	1
	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>May-16</u>	<u>Jun-16</u>
	0	2	3	0	0	5
	<u>Jul-16</u>	<u>Aug-16</u>	<u>Sep-16</u>	<u>Oct-16</u>	<u>Nov-16</u>	<u>Dec-16</u>
	2	2	2	1	0	1
	<u>Jan-17</u>	<u>Feb-17</u>	<u>Mar-17</u>	<u>Apr-17</u>	<u>May-17</u>	<u>Jun-17</u>
	0	0	2	0	0	2
	<u>Jul-17</u>	<u>Aug-17</u>	<u>Sep-17</u>	<u>Oct-17</u>	<u>Nov-17</u>	<u>Dec-17</u>
	4	4	3	0	0	1
	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>	<u>May-18</u>	
	0	0	1	0	0*	
*As of May 29, 2018						
<b>Note: Unavailable indicates codes that are unavailable for assignment. These codes include, but are not limited to, test and special use codes (e.g., 958, 959, 555, time), N11 and other unique codes (e.g., 976, 950) and codes with special dialing arrangements (e.g., 7-digit dialing across NPA boundary).</b>						

**Oklahoma**  
**NPA 918 and 539 NXX Summary**  
**Data as of 5/29/18**

**Attachment 3**

<u>NPA</u>	<u>918</u>	<u>539</u>				
Assigned NXXs	775	75				
Protected NXXs	0	0				
Reserved NXXs	0	0				
Unavailable NXXs	24	23				
Available NXXs	1	702				
Total	800	800				
<b><u>Codes Assignment History</u></b>						
2013	6	1				
2014	2	0				
2015	5	4				
2016	4	14				
2017	1	48				
2018	0*	4*				
* As of 5-29-18						
<b>Note: Unavailable indicates codes that are unavailable for assignment. These codes include, but are not limited to, test and special use codes (e.g., 958,959, 555, time), N11 and other unique codes (e.g., 976, 950),and codes with special dialing arrangements (e.g., 7-digit dialing across NPA boundary</b>						

<b>POOLING STATISTICS</b>	
<i>Provided By: Cecilia McCabe</i>	
<b>ST/NPA:</b>	<b>OK 405</b>
<b>MEETING DATE:</b>	<b>5/30/2018</b>
<b>MEETING SUBJECT:</b>	
<i>Relief Planning</i>	<b>X</b>
<i>Jeopardy</i>	
<i>Jeopardy Status Review</i>	
<i>UA NXXs</i>	
<i>Other</i>	
<b>POOL START DATE (PSD)</b>	<b>3/14/2002</b>
<b>RATE CENTERS</b>	
<i># Total</i>	<b>93</b>
<i># Mandatory</i>	<b>70</b>
<i># Mandatory-Single Service Providers (M*)</i>	<b>8</b>
<i># Optional</i>	<b>5</b>
<i># Excluded</i>	<b>10</b>
<b>BLOCKS ASSIGNED</b>	
<i># Total</i>	<b>148</b>
<i>(For time period 6/1/17 - 5/29/18)</i>	
<b>BLOCKS AVAILABLE</b>	
<i># Total</i>	<b>558</b>
<i>(As of preparation date: 5/29/18)</i>	
<b>CODES ASSIGNED</b>	
<i># Total</i>	<b>15</b>
<i># for Pool Replenishment</i>	<b>9</b>
<i># for Dedicated Customers</i>	<b>0</b>
<i># for LRNs</i>	<b>6</b>
<i>(For time period 6/1/17 - 5/29/18)</i>	
<b>CODES FORECASTED</b>	
<i># Total</i>	<b>34</b>
<i># for Pool Replenishment and Dedicated Customers</i>	<b>34</b>
<i># for LRNs</i>	<b>0</b>
<i>(For the next twelve months as of: 5/29/18)</i>	

<b>POOLING STATISTICS</b>	
<i>Provided By: Cecilia McCabe</i>	
<b>ST/NPA:</b>	OK 918/539
<b>MEETING DATE:</b>	5/30/2018
<b>MEETING SUBJECT:</b>	
<i>Relief Planning</i>	X
<i>Jeopardy</i>	
<i>Jeopardy Status Review</i>	
<i>UA NXXs</i>	
<i>Other</i>	
<b>POOL START DATE (PSD)</b>	5/7/2002
<b>RATE CENTERS</b>	
<i># Total</i>	181
<i># Mandatory</i>	43
<i># Mandatory-Single Service Providers (M*)</i>	26
<i># Optional</i>	73
<i># Excluded</i>	39
<b>BLOCKS ASSIGNED</b>	
<i># Total</i>	174
<i>(For time period 6/1/17 - 5/29/18)</i>	
<b>BLOCKS AVAILABLE</b>	
<i># Total</i>	1116
<i>(As of preparation date: 5/29/18)</i>	
<b>CODES ASSIGNED</b>	
<i># Total</i>	24
<i># for Pool Replenishment</i>	17
<i># for Dedicated Customers</i>	0
<i># for LRNs</i>	7
<i>(For time period 6/1/17 - 5/29/18)</i>	
<b>CODES FORECASTED</b>	
<i># Total</i>	39
<i># for Pool Replenishment and Dedicated Customers</i>	39
<i># for LRNs</i>	0
<i>(For the next twelve months as of: 5/29/18)</i>	

**405 NPA - RELIEF ALTERNATIVES**

**OKLAHOMA**

Numbering Plan Area Born on Date: January 1, 1947

**NPA RELIEF PLANING TOOL ASSUMPTIONS**

NRUF DATE..... April 2018  
 PROJECTED EXHAUST DATE.....2Q2021  
 ANNUALIZED CODE DEMAND PROJECTION.....15  
 MONTHLY CO CODE DEMAND PROJECTION.....1.28  
 NXX Assignment data .....April 17, 2018

**CURRENT DIALING PLAN**

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA)	7 digits (NXX-XXX)
	Foreign NPA (FNPA)	7 digits (NXX-XXX)
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

**NPA-RELIEF ALTERNATIVES**

**OVERLAY ALTERNATIVE**

**ALTERNATIVE #1 - ALL SERVICES DISTRIBUTED OVERLAY**

A new NPA code would be assigned to the same geographic area occupied by the existing 405 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 405 NPA all future code assignments will be made in the overlay area code. A map is provided. The projected life would be:

Total CO Codes = 732  
 Total Rate Centers = 93  
 Area Code Life in Years = 43

**ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY**

The boundary between the existing 405 and 918/539 NPA codes would be eliminated and the 405 and 918/539 NPAs would be assigned to the same geographic areas occupied by the existing 405 and 918/539 NPAs. The 405 NPA and 918/539 NPA customers would retain

their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 405 and 918/539 NPAs in the affected area would be required. Available central office codes in the 918/539 overlay NPA will be assigned upon request in the 405 area with the effective date of the new area code boundary and available 405 NPA central office codes could be assigned upon request in the 918/539 NPA area. At exhaust of the 405 NPA all future NXX code assignments will be made from the 918/539 overlay area code supply of central office codes. There are 181 rate centers in the 918/539 NPA with a forecasted exhaust of 4Q2042; eliminating the boundary to include the 405 NPA area would result in a projected life of approximately 27 years before additional relief would be required.

405 NPA  
Total CO Codes = 732  
Total Rate Centers = 93

918/539 NPAs  
Total CO Codes = 850  
Total Rate Centers = 181

Combined Area Code Life in Years = 27 years

<b>GEOGRAPHIC SPLIT ALTERNATIVE</b>
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The Oklahoma 405 NPA has a Wide Area Calling Plan that includes 47 rates. The Oklahoma City rate center has 45% of all the code assignments in the 405 NPA. Due to these circumstances, it is not recommended to split the 405 NPA.

NANPA has determined that no split alternative will meet the INC Guidelines. Therefore, no split alternative was developed.

# **EXHIBIT B**



April 26, 2018

To: All 405 & 918/539 NPA Code Holders and Interested Industry Members (Oklahoma)

Subject: Initial Planning Document with Notice of the 405 NPA Relief Planning Meeting

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Neustar, Inc., in its capacity as the North American Numbering Plan Administration (NANPA) is responsible for initiating area code relief (in accordance with the NPA Code Relief Planning and Notification Guidelines, ATIS-0300061) in areas within the United States in sufficient time to prevent exhaust of numbering resources before relief is implemented, typically thirty-six months prior to exhaust. As of April 25, 2018, the 405 NPA in Oklahoma is projected to exhaust during the 2Q2021.

Accordingly, on May 30, 2018, NANPA will convene an industry NPA relief planning conference call to develop a recommended relief plan for the 405 NPA. The objective of this meeting is to secure consensus among members of the Oklahoma Telecommunications Industry on a single plan for relief of the 405 NPA. The resulting relief plan will be filed with the Oklahoma Corporation Commission (OCC) for their consideration. The Industry recognized consensus process developed by the Alliance for Telecommunications Industry Solutions (ATIS) will be applied in the decision-making efforts.

NANPA has determined that only an overlay alternative will meet the guidelines for the 405 NPA. In Section 5.6.2 of the guidelines - where NPA relief is required for a single NPA area and NANPA has determined that only an overlay alternative will meet the guidelines, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required and NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including network preparation, customer education, and a permissive dialing period. Because there are two possible overlay alternatives, one of which involves the 918/539 NPAs, industry consensus is required for a recommended alternative.

Enclosed is the Initial Planning Document (IPD) for the 405 NPA developed by NANPA that will be presented at the May 30, 2018, meeting to assist the Industry with NPA relief planning efforts. NANPA also welcomes the submission of additional relief alternatives from interested parties.

Also attached to this notice are the meeting agenda, consensus process, the Oklahoma 405 & 918/539 NPA NXX Summary and Pooling Statistics reports, meeting aids to assist in understanding the relief planning process, Service Provider CO Code assignments for each NPA by OCN, and related maps.

Because the impacts of NPA relief are so significant, NANPA strongly encourages your participation on May 30, 2018. Past experience demonstrates that this could be the only meeting

of the industry before a decision is reached on a recommended relief plan that will be submitted to the Oklahoma Corporation Commission for approval. The details of the relief planning meeting conference call are as follows:

**Date: Wednesday, May 30, 2018**

**Time: 2:00 PM ET; 1:00 PM CT; 12:00 PM MT; 11:00 AM PT**

**Dial-in number: (630) 827-6799**

**Pass code: 8831535#**

**NANPA is also making an online capability available for this meeting. To join the online of the reference documents during the call please utilize the link and instructions provided below:**

**Click on the Link Below. You must register in order to join the online WebEx event. Once you register, you will receive a confirmation email that contains detailed information about joining the event. Click on the attachment in your confirmation email labeled, "OK 405 Initial Relief Planning Meeting" to add this event to your calendar.**

<https://neustar.webex.com/neustar/onstage/g.php?MTID=eda54511b12de736a7129efc7b105ad2b>

Meeting Number: 621 955 774

Meeting Password: rZkCr984

Please feel free to distribute this notice to others in the industry that you feel should attend this important NPA relief planning conference call. If you receive this notice from someone else and would like to receive additional information in the future about the 405 NPA relief, you are encouraged to sign up to NANPA's NAS-NNS by going to [www.nanpa.com](http://www.nanpa.com), then selecting NAS Login and then selecting New Registration and following the sign-up process.

If you have any questions, please give me a call at (571) 434-5765 or via email at [heidi.wayman@team.neustar](mailto:heidi.wayman@team.neustar).

Sincerely,

*Heidi A. Wayman*  
NPA Relief Planner  
NANPA

CC: Jenny Dillon- OCC Staff

Attachment

Page 2 of 2

**OKLAHOMA 405 NPA  
INITIAL RELIEF PLANNING  
INDUSTRY MEETING  
VIA CONFERENCE CALL**

**May 30, 2018 - 1:00 PM (CT)  
BRIDGE: (630) 827-6799; PASSCODE: 8831535 #**

**AGENDA**

**Welcome, Introductions, Consensus Definition / Statements for the record**

**NANPA's Role and Responsibilities**

**Review of 405 (and 918/539 NPAs) NPA Background, History and Status**

**Review of Initial Planning Document and Proposed Relief Alternatives**

**Discussion and Elimination of Relief Alternatives**

**Consensus on Relief Alternative and Dialing Plan**

**Consensus on Implementation Intervals**

**Statements for the Record**

**Set Date to Approve Minutes**

**Open Discussions**

**Adjourn**

# INDUSTRY CONSENSUS PROCESS

3/1/2015

ATIS OPERATING PROCEDURES

VERSION 5.4

## 7 RESOLUTION PROCESS

### 7.1 Consensus

Consensus is the method used by the ATIS Forums to reach resolution of Issues, unless specifically otherwise provided for in these Operating Procedures or in Appendix A.

Consensus is established when substantial agreement has been reached among those participating in the Issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement.

Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution. Observers shall have the opportunity to express their views and to influence the opinions of Voting Members. However, the opinions of Observers are not considered by the leadership in determining whether consensus has been achieved. Under some circumstances, consensus is achieved when the minority no longer wishes to articulate its objection. In other cases, the opinions of the minority should be recorded with the report of the substantial agreement, or consensus, of the majority.

When there are questions or disputes regarding consensus, leaders or participants should ask an objecting participant(s) to state the rationale for the objection and provide an opportunity for full discussion aimed at achieving full understanding and consideration of the objection.

A participant's silence is perceived as agreement by the Forum and its leadership. If participants do not agree, they should be encouraged to speak up and voice their opinion. A participant may appeal the resolution of an issue in the manner provided for in Section 13.

Alliance for Telecommunications Industry Solutions

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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*This meeting aid is prepared to assist the participants in understanding basic steps and considerations in NPA Relief Planning and the criteria established to determine if relief alternatives are viable.*

**Section:**

- 2.6 The ATIS consensus process will be employed in selecting an industry relief recommendation.
- 2.12 Once there is an approved relief plan, all code holders, block holders, and the Pooling Administrator (PA) in the exhausting NPA shall take the appropriate steps to facilitate the implementation of the plan.

**Section:**

**5.0 NPA Relief Planning Process**

The NRUF and other available resources are used to identify projected NPA exhaust. NANPA shall prepare relief options for each NPA projected to exhaust within thirty-six months.

Considerations in the NPA Relief Planning Process include:

Sub -A - The relief options shall cover a period of at least five years beyond the predicted date of exhaust, and shall cover more than one relief activity, if necessary, during the time frame.

Sub -E - For each relief activity proposed in the plan, it is recommended that customers who undergo number changes shall not be required to change again for a period of 8-10 years.

Sub -F – The use of protected codes (NXXs) is an assignment practice whereby a central office code assigned in one NPA is not available for assignment in an adjacent NPA in order to permit 7 digit dialing across the NPA boundary (where 10-digit dialing would otherwise be required). The use of protected codes (NXXs), which permits 7-digit dialing across NPA boundaries, should be eliminated as part of the NPA code relief planning process unless the appropriate regulatory authority directs otherwise.<sup>1</sup>

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<sup>1</sup> Per letter dated 10-29-97 from NANC Chairman to INC Moderator.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

Sub –G - The use of protected routes, which also permits 7-digit dialing across NPA boundaries, shall continue unless otherwise directed by the appropriate regulatory authority.<sup>2</sup> Where it is suspected that protected routes and 7-digit dialing cross-boundary exists, NANPA shall continue the code assignment practices that permit the continued protection of these routes until such time as these routes are eliminated by the service provider(s) or the appropriate regulatory authority. Any changes in rate centers or NXXs that would increase or decrease protected routes shall be reported to NANPA by the service provider initiating the change. The notification shall include the tariff, the rate centers and NXX codes involved and the direction of the 7-digit local calling. This notification is important since such changes may have code consumption implications on multiple NPAs. It should be understood that continuing this practice can result in a less efficient use of resources and shorten the forecasted lives of the NPA currently under relief planning as well as the adjacent NPAs; i.e. two-way 7-digit dialing across NPAs might involve several rate centers and many NXX codes in multiple NPAs. Additionally, the relief planning model used by NANPA cannot take into account the protected routes when projecting the lives of new NPA relief alternatives because the model assumptions are based on the premise that all NXXs available for assignment can be assigned to all rate centers. A high number of protected routes may impact the availability of NXX codes in specific rate centers (usually high-demand rate centers), which directly impacts the exhaust timeframe of an area code. As a result, NPA relief planning may start prematurely or may not permit for the standard intervals for relief implementation.

In the long term, the plan shall result in the most effective use possible of all codes serving a given area. Ideally, all of the codes in a given area shall exhaust about the same time in the case of splits. In practice, this may not be possible, but severe imbalances, for example, a difference in NPA lifetimes of more than 10 years, shall be avoided.

- 5.1 Determine the Expected NPA Exhaust Period - Through the use of historical growth data as well as expected changes (e.g. pooling) to NXX demands in the future, NANPA should project to the best of its ability the expected quarter of exhaust of the NPA. Every practical source of data, including the NRUF survey results should be used as an aid in this projection. Projection results should be reported to the industry as soon as the NRUF or other analysis results are available. Once the earliest likely exhaust date is determined, NANPA should suggest a mandatory dialing date six months prior to the exhaust date if the recommended relief is an overlay. If the recommended relief is a geographic split,

<sup>2</sup> In the case of an NPA overlay, cross NPA boundary calls originating from the overlay must be dialed on a 10-digit basis.

## Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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- the end of the recorded announcement period should be at least six months prior to the earliest likely exhaust date:
- 5.3 Define the Attributes of Each Alternative or Method - For each of the alternative relief methods identified in 5.2, NANPA should, with assistance from the industry participants, quantify impacts to subscribers, networks and service providers and industry concerns using Appendix B. Specific calculations such as the relative lengths of the relief periods, local dialing plans using 7-digits or 10-digits should be made at this point. Examples of attributes are shown in Appendix E.
- 5.4 Notify Industry of Pending NPA Exhaust and Results of Initial Relief Planning - The next step in the NPA Relief Planning Process is to incorporate the results of the steps outlined in 5.1 through 5.3 into an Initial Planning Document (IPD) for distribution to the Industry in the affected NPA. The IPD should be attached to a letter notifying Industry members of future meeting schedules to be held for the purpose of discussing the alternative relief methods, with the objective of reaching consensus on the method to be adopted. The IPD should be provided at least four weeks prior to the first industry meeting to allow individual industry members to fully analyze the alternatives and identify impacts to their respective subscribers and networks. Industry members also should investigate any technical and operational impacts, such as required switch replacements and support system modifications.
- 5.5 Conduct Industry Meetings with the Goal of Reaching Industry Consensus on a Relief Plan – Conduct Industry Meetings/Conference Calls with the Goal of Reaching Industry Consensus on a Relief Plan – Meetings and/or conference calls should be held with all interested members of the industry within the affected NPA. Although most of these meetings are held via conference call, a face-to-face meeting may be scheduled if necessary. If a face-to-face meeting notice is issued, NANPA will state that an SP requesting a conference bridge must notify the meeting host to make arrangements (e.g., equipment, bridge number, cost of call). In order to keep the face-to-face meeting manageable, participants on the bridge shall not be accorded special consideration<sup>3</sup>. NANPA shall moderate these meetings or conference calls and be fully prepared to

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<sup>3</sup> Caveat: those on the bridge may NOT ask for comments to be repeated or for additional explanations to be given because they cannot see what's happening in the room. The use of a bridge must not slow down the meeting.

## Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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answer questions regarding the alternatives. During the meetings/conference calls, new alternatives may be proposed and shall be considered in these discussions. Inasmuch as the objective of these meetings/conference calls is to reach industry consensus, subsequent meetings/conference calls shall be held as required until consensus is reached, or until NANPA determines consensus cannot be reached.

In discussing the alternatives, issues such as new NPA boundaries, local calling areas, protected codes or routes, regulatory issues, customer education, 911 issues, and the length of any necessary permissive dialing period should be considered.

All meetings and/or conference calls should be fully documented in meeting minutes, which are to be made available to the local industry within two weeks after the meeting/conference call and no less than one week prior to a subsequent meeting or call unless otherwise agreed. Copies of meeting minutes may also be forwarded to the appropriate regulatory authority.

- 5.6 Notify Appropriate Regulatory Body - When consensus is reached within the industry or when NANPA determines additional meetings would not achieve consensus, NANPA should submit to the appropriate regulatory body (or bodies) the results of the industry effort, if required. In its submission NANPA should also furnish all relevant background information including any statements for the record submitted in real time by industry participants (unless otherwise agreed), meeting minutes, mailing lists, etc. In the case where consensus could not be reached, brief position papers could be included.
- 5.6.1 Where NPA relief is required for an existing overlay complex, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required. NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including a timeframe for network preparation and customer education, with the new NPA effective at the end of the implementation schedule. There is no need for a permissive dialing period because local 10-digit dialing will already be in place. The draft petition shall include the state's existing overlay dialing plan.

NANPA shall notify all affected parties at least three (3) weeks in advance of a conference call scheduled to review and approve the draft petition. During the conference call, the timeframes for the implementation schedule will be determined. The recommended relief should be in place six months prior to the forecasted exhaust (see

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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Section 7.2). As usual, meeting minutes shall be produced and distributed by NANPA within 10 days of the conference call.

NANPA shall submit the petition to the appropriate regulatory agency requesting approval of the overlay, and after regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

5.6.2 ~~Where NPA relief is required for a single NPA area and NANPA has determined that only an overlay alternative will meet the guidelines, the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.~~

~~NANPA shall draft a relief plan petition requesting approval of the overlay and recommending an implementation schedule including network preparation, customer education, and a permissive dialing period.~~

~~NANPA shall notify all affected parties at least two months in advance of a conference call scheduled to review and approve the draft petition. In the notification, NANPA will include data (e.g. an NPA with a high concentration of assigned NXXs in one or only a few rate centers) supporting the recommendation that the overlay is the only relief method in compliance with the criteria listed in Section 5.0. The two month timeframe notification may be necessary to allow individual industry members to fully analyze impacts to their respective subscribers and networks in determining the timeframes needed for implementation. Industry members may also need this time to investigate any technical and operations impacts, such as required switch replacements and support system modifications to take into consideration when determining the implementation schedule.~~

During the conference call, the timeframes for the implementation schedule will be determined to finalize the relief petition. The draft petition will include a recommendation for 10-digit dialing for local<sup>4</sup> and toll to home NPA (HNPA) and 1+10-digit dialing to local and toll foreign NPA (FNPA), or the state's existing overlay dialing plan. The recommended mandatory dialing date should be six months prior to the forecasted exhaust (see Section 5.1). As usual, meeting minutes shall be produced and distributed by NANPA within 10 days of the conference call.

NANPA shall submit the petition to the appropriate regulatory agency requesting approval of the overlay, and after regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

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<sup>4</sup> As an industry Best Practice, service providers are encouraged to also provide permissive 1+ 10 digit local dialing at their discretion.

Relief Planning Meeting Aid

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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5.7 **Approval by Appropriate Regulatory Body** – When the regulator issues an order for NPA relief, NANPA shall confirm the approved plan meets the criteria for assignment as set forth in this document. If the approved plan meets the criteria, NANPA will assign a new NPA within one week of receipt of the approved plan. If the approved plan does not meet the criteria for assignment, NANPA will suspend the assignment pending FCC direction.

5.8 **Public Statements/Press Releases** - Public statements released prior to the first industry NPA relief planning meeting should, to the extent available, contain:

- factual information about the impending exhaust of the NPA
- and that questions concerning the relief effort may be directed to the NANPA

During the relief planning process, public statements are not encouraged. However, some states may require input from the public to the planning process. If questions are directed to the NANPA, or if reaction to a press article is warranted, responses should, to the extent possible, be limited to factual information (as opposed to opinion or preference) concerning relief options being considered and to agreements reached by the industry that are in the public record.

Within two weeks of the NPA assignment NANPA will issue a press release informing the public of this action. NANPA need not issue that press release if the regulatory authority wishes to do so instead. Information that may be incorporated with this notification includes a map indicating new NPA boundaries and dialing procedures.

5.9 **Industry NPA Relief Implementation Meeting** - NANPA will host and facilitate an Industry NPA Relief Implementation meeting via conference call following the final acceptance of a relief plan. [NANPA, on its own initiative or using input from Service Providers, has the option to convene a face-to-face meeting if the chosen plan presents unusual implementation factors.] The meeting shall occur no more than 45 days following the assignment of a new NPA. The agenda for the industry implementation meeting should include relevant dates, milestones, customer education, press releases, provision of test numbers, Planning Letter content and subsequent industry communication regarding implementation issues.

**Relief Planning Meeting Aid**

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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- 5.10 **Planning Letter** – NANPA shall post a Planning Letter to its website informing the public and the industry of pending NPA relief no more than three weeks after the initial implementation meeting. If regulatory approval of the implementation plan with interval dates is required, the Planning Letter will be published within 10 business days of regulatory approval. If an additional implementation meeting is required, the Planning Letter will be published within 3 weeks of the additional implementation meeting.

This Planning Letter should include a full disclosure of the associated testing period, permissive dialing period, affected NXXs, rate centers, records conversion dates and the beginning date for mandatory dialing of the new NPA (See time line Appendix C). Also included should be a test number for routing verification, the date it will become available and the disconnect date. Other information that may be incorporated with this notification includes a map indicating NPA boundaries, dialing procedures and a NANPA contact name and telephone number. Service providers that are code and/or block holders within the affected NPA should provide to the NANPA their company's NPA Relief Project Coordinator's contact information for inclusion in the company contact section of the Planning Letter.

**Relief Planning Meeting Aid**

Excerpts from the NPA Code Relief Planning & Notification Guidelines, ATIS-0300061 – 1/4/16

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**Appendix B****Issues To Be Considered During NPA Relief Planning**

Following are a list of issues to be considered in weighing the advantages of the relief alternatives.

**Subscribers**

- \* quantity of subscribers who will have to undergo number changes
- \* impact on customer premise equipment (CPE), e.g., reprogramming of wireless devices, automatic dialers, alarm systems, PBXs, etc.
- \* public reaction to and political involvement in boundary decisions
- \* impact on market identity/recognition, geographic identity, public familiarity
- \* public costs such as stationery, business cards, advertising, CPE and database reprogramming.

**Network and Service Providers**

- \* hardware and software upgrades to switching systems
- \* modification to or replacement of some operations support systems
- \* modification to operator services switches and/or systems
- \* directory assistance impacts
- \* 911 system impacts
- \* directory changes
- \* public notification/education requirements
- \* changes to existing network routing and translations
- \* impact of permissive dialing period
- \* length of planning period
- \* impact on dialing plan
- \* experience with relief method/implementation procedure
- \* interaction with appropriate regulatory bodies
- \* tariff impacts
- \* internal networks
- \* LNP compliance impacts

**Industry Concerns**

- \* length of relief period
- \* NPA code utilization
- \* Number Pooling impact on length of relief period (where applicable)

**Appendix E**

**General Attributes of the Most Common Relief Alternatives**

<b>Geographic Splits</b>	<b>All-Services Overlays</b>
<ul style="list-style-type: none"> <li>• Splits maintain a single area code for each geographic area. This may minimize confusion for customers outside the area.</li> </ul>	<ul style="list-style-type: none"> <li>• With an overlay there will be more than one area code in a geographic area.</li> </ul>
<ul style="list-style-type: none"> <li>• Splits require an area code change for approximately one-half of customers in a two-way split, and two-thirds of customers in a three-way split.</li> </ul>	<ul style="list-style-type: none"> <li>• An overlay will not require existing customers to change their area code.</li> </ul>
<ul style="list-style-type: none"> <li>• Geographic splits permit 7-digit dialing within an area code.</li> </ul>	<ul style="list-style-type: none"> <li>• An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.</li> </ul>
<ul style="list-style-type: none"> <li>• Stationery, business cards and advertising, as well as non-telephony databases, containing a ten-digit phone number will need to be revised by customers receiving the new area code.</li> </ul>	<ul style="list-style-type: none"> <li>• There is no need to revise stationery, business cards and advertising, as well as non-telephony databases, unless they contain only seven digit phone numbers.</li> </ul>
<ul style="list-style-type: none"> <li>• Future splits will reduce the geographic size of the area code.</li> </ul>	<ul style="list-style-type: none"> <li>• An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.</li> </ul>

Dialing Plans and Implementation Intervals

***This meeting aid has examples of industry developed dialing plans and implementation schedules to assist the participants in their decision of the relief alternatives being considered.***

**OVERLAY DIALING PLAN MEETING AND IMPLEMENTATION SCHEDULE**

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) or Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)*
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services <small>Credit card, collect, third party</small>	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

\*1+10 digit permissible at each service provider's discretion

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period <i>(Calls within existing NPA can be dialed using 7 or 10 digits)</i> Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period <i>(Effective date for codes from the new NPA)</i>	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

**GEOGRAPHIC SPLIT DIALING PLAN AND IMPLEMENTATION SCHEDULE**

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA)	7 digits (NXX-XXXX)
	Foreign NPA (FNPA)	10 digits (NPA-NXX-XXXX)
Toll call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services <small>Credit card, collect, third party</small>	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive dialing to the old or new NPA and Customer Education Period <i>(Calls within the home NPA can be dialed using 7 or 10 digits. Calls using the old or new NPA to those changing to the new NPA are acceptable)</i> Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
Recorded Announcement Period	3 months
First Code Activation <i>(Effective date for codes from the new NPA)</i>	End of Recording Period
Total Implementation Interval	15 months



PEPANRES

Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2016

2016 Population Estimates

Geography	April 1, 2010		Population Estimate (as of July 1)		
	Census	Estimates Base	2010	2011	2012
Adair County, Oklahoma	22,683	22,683	22,732	22,518	22,252
Alfalfa County, Oklahoma	5,642	5,642	5,632	5,646	5,653
Atoka County, Oklahoma	14,182	14,183	14,163	14,121	13,978
Beaver County, Oklahoma	5,636	5,636	5,638	5,631	5,584
Beckham County, Oklahoma	22,119	22,119	22,053	22,323	23,123
Blaine County, Oklahoma	11,943	11,943	9,898	9,683	9,814
Bryan County, Oklahoma	42,416	42,416	42,626	43,135	43,458
Caddo County, Oklahoma	29,600	29,600	29,676	29,611	29,660
Canadian County, Oklahoma	115,541	115,541	116,332	119,438	122,543
Carter County, Oklahoma	47,557	47,726	47,791	48,085	48,099
Cherokee County, Oklahoma	46,987	46,985	47,118	47,740	48,051
Choctaw County, Oklahoma	15,205	15,205	15,228	15,248	15,173
Cimarron County, Oklahoma	2,475	2,475	2,457	2,484	2,392
Cleveland County, Oklahoma	255,755	255,761	256,923	261,950	266,199
Coal County, Oklahoma	5,925	5,925	5,894	5,936	5,906
Comanche County, Oklahoma	124,098	124,098	125,367	126,096	126,609
Cotton County, Oklahoma	6,193	6,193	6,174	6,159	6,146
Craig County, Oklahoma	15,029	15,025	15,059	14,938	14,720
Creek County, Oklahoma	69,967	69,967	70,203	70,687	70,889
Custer County, Oklahoma	27,469	27,469	27,490	27,722	28,511
Delaware County, Oklahoma	41,487	41,489	41,542	41,411	41,397
Dewey County, Oklahoma	4,810	4,810	4,825	4,760	4,788
Ellis County, Oklahoma	4,151	4,151	4,149	4,042	4,089
Garfield County, Oklahoma	60,580	60,580	60,758	60,706	61,278
Garvin County, Oklahoma	27,576	27,576	27,552	27,381	27,302
Grady County, Oklahoma	52,431	52,430	52,481	52,760	53,054
Grant County, Oklahoma	4,527	4,527	4,535	4,546	4,510
Greer County, Oklahoma	6,239	6,239	6,205	6,152	6,059
Harmon County, Oklahoma	2,922	2,922	2,917	2,936	2,907
Harper County, Oklahoma	3,685	3,685	3,694	3,707	3,707
Haskell County, Oklahoma	12,769	12,769	12,741	12,712	12,866
Hughes County, Oklahoma	14,003	14,003	14,020	13,854	13,797
Jackson County, Oklahoma	26,446	26,446	26,467	26,418	26,260
Jefferson County, Oklahoma	6,472	6,472	6,446	6,438	6,329
Johnston County, Oklahoma	10,957	10,957	10,989	11,077	10,987
Kay County, Oklahoma	46,562	46,562	46,429	45,815	45,681
Kingfisher County, Oklahoma	15,034	15,029	15,057	15,110	14,989
Kiowa County, Oklahoma	9,446	9,446	9,430	9,408	9,346
Latimer County, Oklahoma	11,154	11,154	11,140	11,115	10,946
LeFlore County, Oklahoma	50,384	50,384	50,476	50,253	49,983
Lincoln County, Oklahoma	34,273	34,273	34,321	34,327	34,209
Logan County, Oklahoma	41,848	41,853	42,069	43,114	43,673
Love County, Oklahoma	9,423	9,421	9,430	9,388	9,566

Geography	April 1, 2010		Population Estimate (as of July 1)		
	Census	Estimates Base	2010	2011	2012
McCain County, Oklahoma	34,506	34,506	34,728	35,176	35,615
McCurtain County, Oklahoma	33,151	33,154	33,178	33,250	33,240
McIntosh County, Oklahoma	20,252	20,252	20,276	20,307	20,521
Major County, Oklahoma	7,527	7,527	7,510	7,622	7,669
Marshall County, Oklahoma	15,840	15,836	15,839	15,889	15,911
Mayes County, Oklahoma	41,259	41,264	41,288	41,296	41,124
Murray County, Oklahoma	13,488	13,488	13,509	13,620	13,637
Muskogee County, Oklahoma	70,990	70,988	71,102	70,744	70,531
Noble County, Oklahoma	11,561	11,561	11,564	11,561	11,515
Nowata County, Oklahoma	10,536	10,536	10,513	10,626	10,597
Okfuskee County, Oklahoma	12,191	12,191	12,223	12,298	12,292
Oklahoma County, Oklahoma	718,633	718,627	721,096	729,915	742,541
Okmulgee County, Oklahoma	40,069	40,069	40,118	39,808	39,607
Osage County, Oklahoma	47,472	47,480	47,436	48,238	47,996
Ottawa County, Oklahoma	31,848	31,848	31,840	31,904	32,225
Pawnee County, Oklahoma	16,577	16,579	16,593	16,783	16,457
Payne County, Oklahoma	77,350	77,350	77,448	77,967	78,457
Pittsburg County, Oklahoma	45,837	45,837	45,763	45,650	45,111
Pontotoc County, Oklahoma	37,492	37,492	37,602	37,714	38,039
Pottawatomie County, Oklahoma	69,442	69,442	69,650	70,138	70,679
Pushmataha County, Oklahoma	11,572	11,572	11,575	11,394	11,227
Roger Mills County, Oklahoma	3,647	3,647	3,641	3,802	3,773
Rogers County, Oklahoma	86,905	86,911	87,022	87,730	88,404
Seminole County, Oklahoma	25,482	25,482	25,453	25,485	25,468
Sequoyah County, Oklahoma	42,391	42,439	42,442	42,027	41,489
Stephens County, Oklahoma	45,048	45,048	45,105	45,127	44,873
Texas County, Oklahoma	20,640	20,640	20,801	21,177	21,470
Tillman County, Oklahoma	7,992	7,992	7,990	7,989	7,788
Tulsa County, Oklahoma	603,403	603,438	605,189	608,606	614,582
Wagoner County, Oklahoma	73,085	73,087	73,411	74,084	75,043
Washington County, Oklahoma	50,976	50,974	51,058	51,294	51,579
Washita County, Oklahoma	11,629	11,629	11,610	11,625	11,654
Woods County, Oklahoma	8,876	8,878	8,896	8,769	8,838
Woodward County, Oklahoma	20,081	20,081	19,977	20,078	20,622

Geography	Population Estimate (as of July 1)			
	2013	2014	2015	2016
Adair County, Oklahoma	22,233	22,171	22,050	22,098
Alfalfa County, Oklahoma	5,824	5,777	5,840	5,827
Atoka County, Oklahoma	13,815	13,846	13,786	13,810
Beaver County, Oklahoma	5,533	5,479	5,415	5,382
Beckham County, Oklahoma	23,521	23,861	23,628	22,519
Blaine County, Oklahoma	9,784	9,854	9,788	9,643
Bryan County, Oklahoma	44,166	44,459	44,987	45,573
Caddo County, Oklahoma	29,509	29,407	29,398	29,557
Canadian County, Oklahoma	126,061	129,437	133,283	136,532
Carter County, Oklahoma	48,590	48,738	48,666	48,556
Cherokee County, Oklahoma	47,923	48,294	48,369	48,700
Choctaw County, Oklahoma	15,084	15,126	15,005	14,885
Cimarron County, Oklahoma	2,320	2,271	2,200	2,162
Cleveland County, Oklahoma	270,015	270,008	274,213	278,655
Coal County, Oklahoma	5,796	5,778	5,645	5,651
Comanche County, Oklahoma	125,014	124,962	124,196	122,136
Cotton County, Oklahoma	6,140	6,109	5,972	5,941
Craig County, Oklahoma	14,656	14,585	14,830	14,625
Creek County, Oklahoma	70,753	70,724	70,975	71,312
Custer County, Oklahoma	29,298	29,522	29,614	29,293
Delaware County, Oklahoma	41,379	41,409	41,384	41,598
Dewey County, Oklahoma	4,827	4,934	4,944	4,819
Ellis County, Oklahoma	4,129	4,112	4,227	4,080
Garfield County, Oklahoma	62,326	62,839	63,360	62,603
Garvin County, Oklahoma	27,380	27,533	27,795	27,838
Grady County, Oklahoma	53,662	53,848	54,556	54,655
Grant County, Oklahoma	4,516	4,477	4,504	4,465
Greer County, Oklahoma	6,156	6,137	6,055	5,998
Harmon County, Oklahoma	2,879	2,804	2,772	2,704
Harper County, Oklahoma	3,859	3,871	3,771	3,717
Haskell County, Oklahoma	12,925	12,840	12,796	12,747
Hughes County, Oklahoma	13,743	13,803	13,728	13,566
Jackson County, Oklahoma	26,186	26,856	25,520	25,497
Jefferson County, Oklahoma	6,333	6,257	6,250	6,230
Johnston County, Oklahoma	10,989	11,092	10,972	11,087
Kay County, Oklahoma	45,550	45,508	45,309	44,943
Kingfisher County, Oklahoma	15,284	15,477	15,571	15,638
Kiowa County, Oklahoma	9,344	9,278	9,148	9,077
Latimer County, Oklahoma	10,696	10,649	10,512	10,414
LeFlore County, Oklahoma	49,928	49,922	49,721	49,873
Lincoln County, Oklahoma	34,312	34,563	34,985	35,129
Logan County, Oklahoma	44,378	45,259	45,956	46,588
Love County, Oklahoma	9,706	9,746	9,826	9,997
McCain County, Oklahoma	36,512	37,280	38,023	38,682
McCurtain County, Oklahoma	33,145	33,110	33,039	32,822
McIntosh County, Oklahoma	20,465	20,097	19,905	19,815
Major County, Oklahoma	7,684	7,739	7,740	7,772
Marshall County, Oklahoma	15,977	16,090	16,228	16,191
Mayes County, Oklahoma	40,908	40,851	40,810	40,920
Murray County, Oklahoma	13,700	13,796	13,908	13,918
Muskogee County, Oklahoma	70,219	69,879	69,591	69,477
Noble County, Oklahoma	11,399	11,523	11,530	11,384
Nowata County, Oklahoma	10,534	10,484	10,518	10,419
Okfuskee County, Oklahoma	12,276	12,168	12,157	12,167
Oklahoma County, Oklahoma	755,639	766,389	775,949	782,970
Okmulgee County, Oklahoma	39,471	39,147	39,174	39,213
Osage County, Oklahoma	47,946	48,049	47,816	47,806
Ottawa County, Oklahoma	32,230	32,037	31,928	31,691
Pawnee County, Oklahoma	16,473	16,350	16,455	16,485

Geography	Population Estimate (as of July 1)			
	2013	2014	2015	2016
Payne County, Oklahoma	79,393	80,150	80,833	81,131
Pittsburg County, Oklahoma	44,828	44,576	44,528	44,173
Pontotoc County, Oklahoma	38,165	38,263	38,268	38,330
Pottawatomie County, Oklahoma	71,149	71,807	71,832	72,290
Pushmataha County, Oklahoma	11,201	11,108	11,154	11,057
Roger Mills County, Oklahoma	3,741	3,753	3,755	3,640
Rogers County, Oklahoma	89,126	89,829	90,727	91,766
Seminole County, Oklahoma	25,474	25,381	25,486	25,207
Sequoyah County, Oklahoma	41,319	41,378	41,240	41,294
Stephens County, Oklahoma	44,989	44,553	44,648	44,090
Texas County, Oklahoma	21,921	21,641	21,365	21,098
Tillman County, Oklahoma	7,678	7,607	7,519	7,465
Tulsa County, Oklahoma	623,055	629,978	638,558	642,940
Wagoner County, Oklahoma	75,729	75,744	76,764	77,679
Washington County, Oklahoma	51,633	52,017	52,145	52,087
Washita County, Oklahoma	11,739	11,588	11,704	11,447
Woods County, Oklahoma	9,008	9,262	9,317	9,201
Woodward County, Oklahoma	21,177	21,453	21,488	20,814

**Notes:**

The estimates are based on the 2010 Census and reflect changes to the April 1, 2010 population due to the Count Question Resolution program and geographic program revisions. See Geographic Terms and Definitions at <http://www.census.gov/programs-surveys/popest/guidance-geographies/terms-and-definitions.html> for a list of the states that are included in each region and division. All geographic boundaries for the 2016 population estimates series except statistical area delineations are as of January 1, 2016. The Office of Management and Budget's statistical area delineations for metropolitan, micropolitan, and combined statistical areas, as well as metropolitan divisions, are those issued by that agency in July 2015. An "(X)" in the 2010 Census field indicates a locality that was formed or incorporated after the 2010 Census. Additional information on these localities can be found in the Geographic Boundary Change Notes (see <http://www.census.gov/geo/reference/boundary-changes.html>). For population estimates methodology statements, see <http://www.census.gov/programs-surveys/popest/technical-documentation/methodology.html>.

The 6,222 people in Bedford city, Virginia, which was an independent city as of the 2010 Census, are not included in the April 1, 2010 Census enumerated population presented in the county estimates. In July 2013, the legal status of Bedford changed from a city to a town and it became dependent within (or part of) Bedford County, Virginia. This population of Bedford town is now included in the April 1, 2010 estimates base and all July 1 estimates for Bedford County. Because it is no longer an independent city, Bedford town is not listed in this table. As a result, the sum of the April 1, 2010 census values for Virginia counties and independent cities does not equal the 2010 Census count for Virginia, and the sum of April 1, 2010 census values for all counties and independent cities in the United States does not equal the 2010 Census count for the United States. Substantial geographic changes to counties can be found on the Census Bureau website at <http://www.census.gov/geo/reference/county-changes.html>.

**Suggested Citation:**

Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2016

Source: U.S. Census Bureau, Population Division

Release Dates: For the United States, regions, divisions, states, and Puerto Rico Commonwealth, December 2016. For counties, municipios, metropolitan statistical areas, micropolitan statistical areas, metropolitan divisions, and combined statistical areas, March 2017. For cities and towns (incorporated places and minor civil divisions), May 2017.

**Initial Planning Document**  
**For**  
**Relief of Oklahoma 405 NPA**

**May 30, 2018**

**North American Numbering Plan Administration**

**Heidi A. Wayman**  
**NPA Relief Planner**

## 405 NPA Background Information

### General Facts:

Known as the Sooner State, Oklahoma became the 46<sup>th</sup> State of the Union in November 1907. It is the 18<sup>th</sup> largest state geographically and the 27<sup>th</sup> most populous. The state wildflower is the Indian Blanket, the state animal is the American Buffalo and the state bird is the Scissor-Tailed Flycatcher. Oklahoma is well known for its state song Oklahoma!, its rich American heritage of Native people, Cowboys, Outlaws, Rodeos, Wild West Shows, and a diverse landscape from plains, prairies, forests to the Ozarks.

The five largest cities are Oklahoma City, Tulsa, Norman, Lawton and Broken Arrow. There are 77 counties in Oklahoma with varied types of job markets such as Agriculture, Manufacturing, Mining, Oil and Construction. The state has a population of over 3.7 million people and encompasses 68,667 square miles. Bordered by six states: Missouri and Arkansas to the east, Kansas to the north, Colorado and New Mexico at the tip of the northwestern Oklahoma panhandle, and Texas to the south and west. Oklahoma is the third largest natural gas-producing state in the nation. It ranks in the top ten states for production of all wheat, cattle, pecans, peanuts and peaches. There are many vacation and recreational opportunities within the state.

Oklahoma had its second area code (918) go in service in 1953 when the 405 Numbering Plan Area (area code) was split. The 580 area code was split off of the 405 in 1997. The 539 NPA was recently added in 2011 as an all services overlay to the 918 area code.

The 405 NPA, the original area code for the state, was created in 1947. This area code serves all or portions of 19 counties in the central part of the state which includes Oklahoma City, the state capital and the state's most populous city. This area code has a mix of city, residential, light industrial and rural areas. There are approximately 190 cities and towns within this area code. A major military installation: Tinker Air Force Base is within the 405 NPA.

### Relief Planning Background and Assumptions:

Prior relief planning of the 405 NPA was conducted with the industry recommending an all-services overlay in 2000, but with the introduction of one-thousand-block-number pooling in March 2002 and the extension of the exhaust forecast, the Oklahoma Corporation Commission in a decision on May 13, 2004, under Case No. PUD 2000-00597, decided to dismiss the relief petition that NANPA filed for the 405 NPA instead of ordering relief.

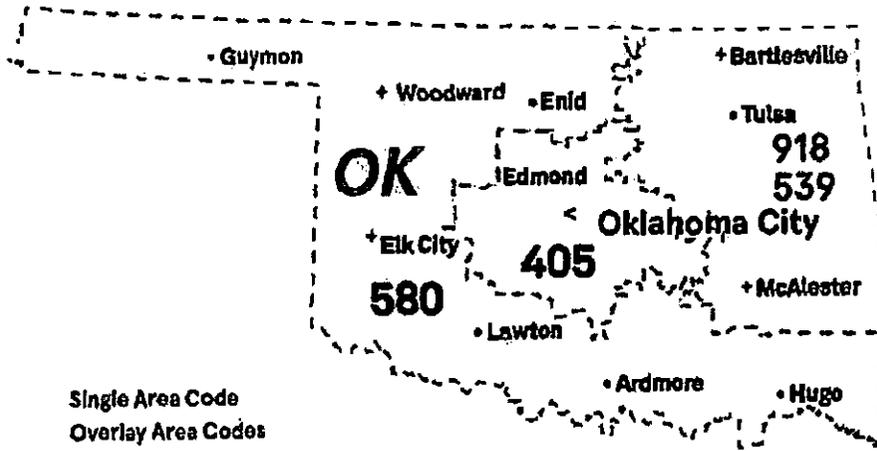
The 405 NPA consists of 93 rate centers, with 46 rate centers in the Wide Area Calling Plan (WACP). The entire 405 NPA is in LATA 536. Thousand-Block-Number Pooling started March 14, 2002 resulting in 70 rate centers in mandatory pooling and eight rate centers with single-service-provider mandatory pooling, five optional pooling rate centers and ten rate centers excluded from pooling.

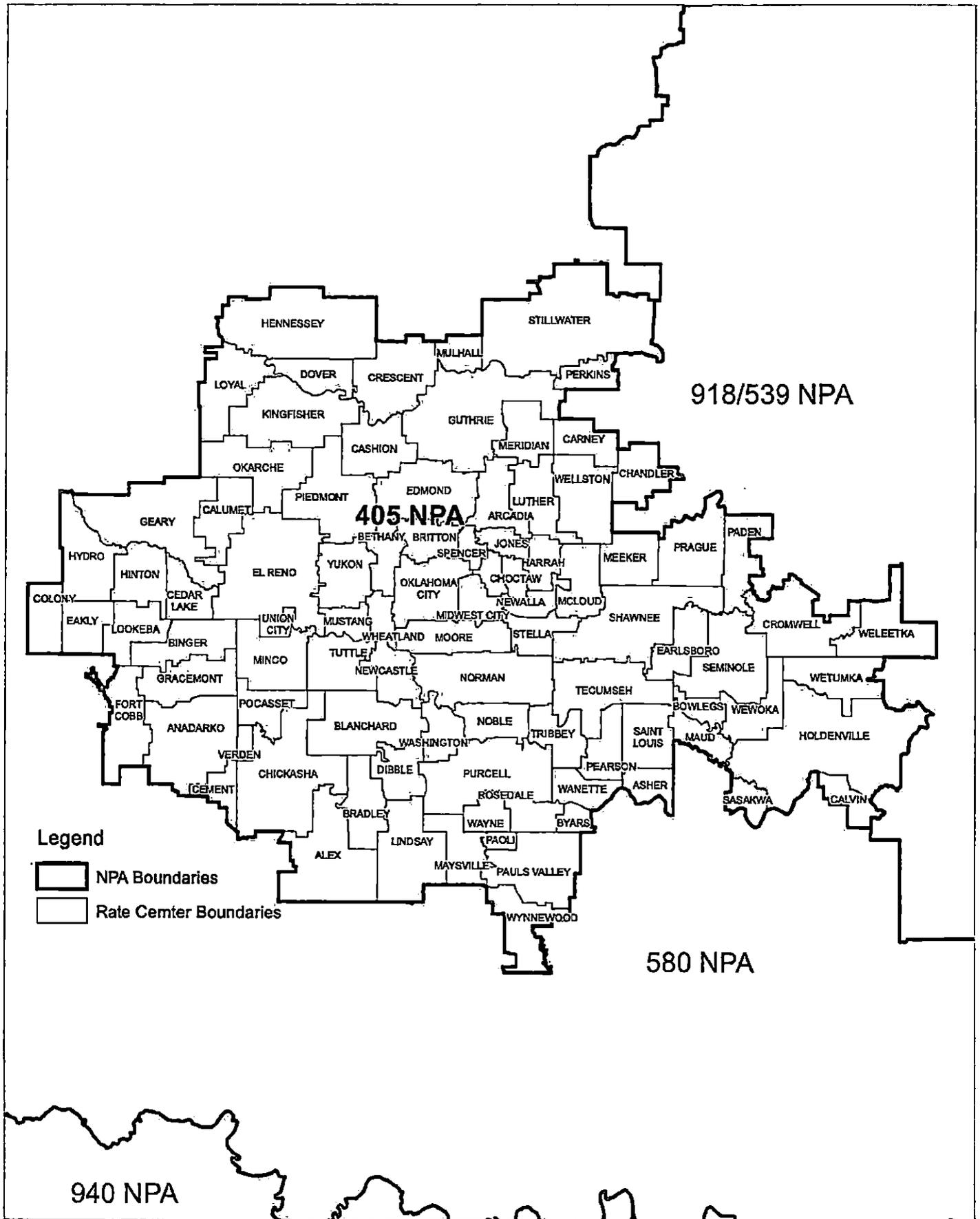
### CO Code Summary:

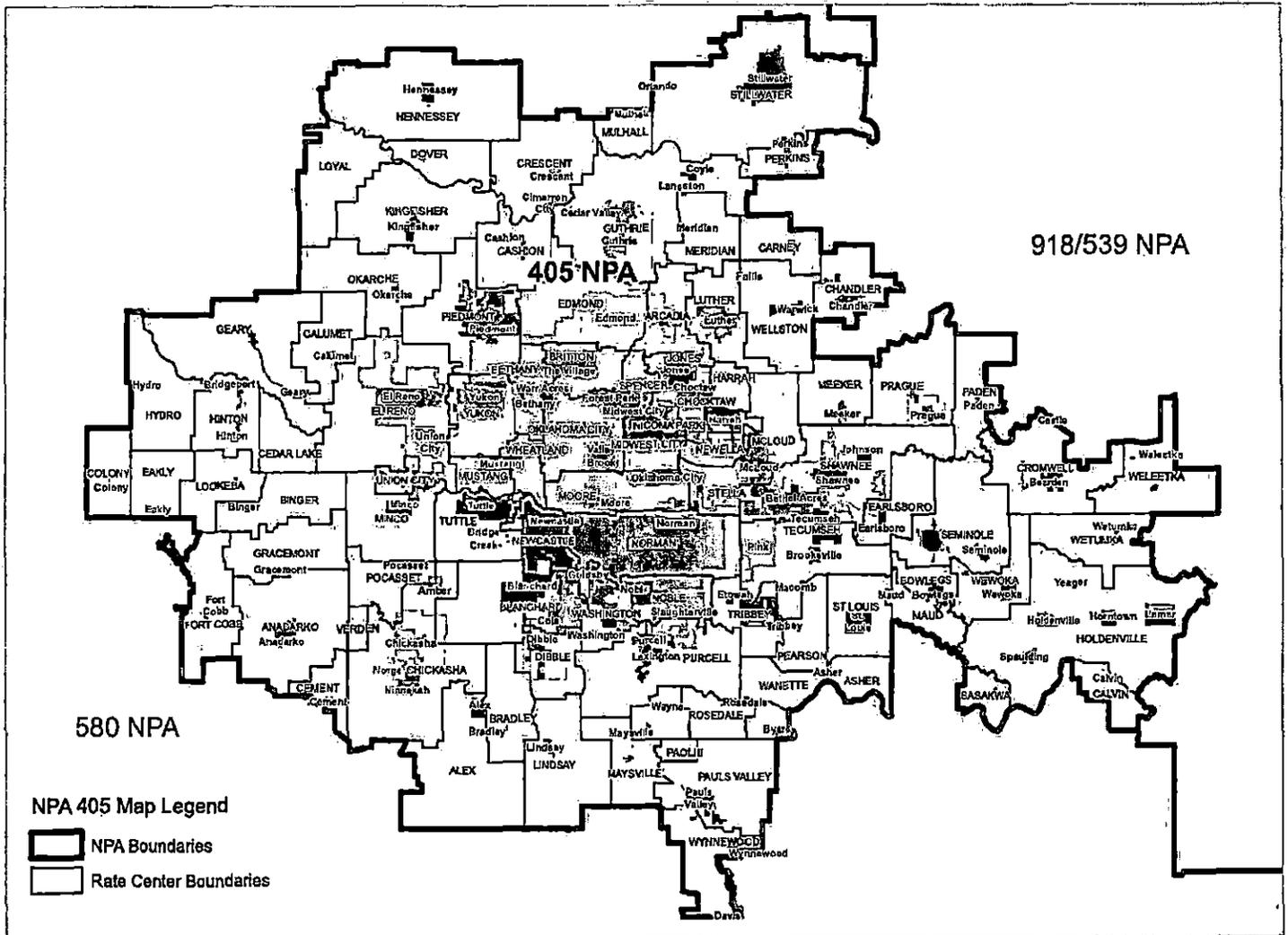
As of April 17, 2018, the 405 NPA has 732 codes assigned, 50 codes available for assignment and 18 Un-Assignable codes: N11s, 405, 555, 572, 580, 700, 918, 950, 958, 959 and 976. There are 47 service provider OCNs that are CO code and/or one-thousand block holders. It should be noted the Oklahoma City rate center has 45% of the assigned NXX codes. Another important note is the 405 NPA has a Wide Area Call Plan (WACP). Map attached of the WACP.

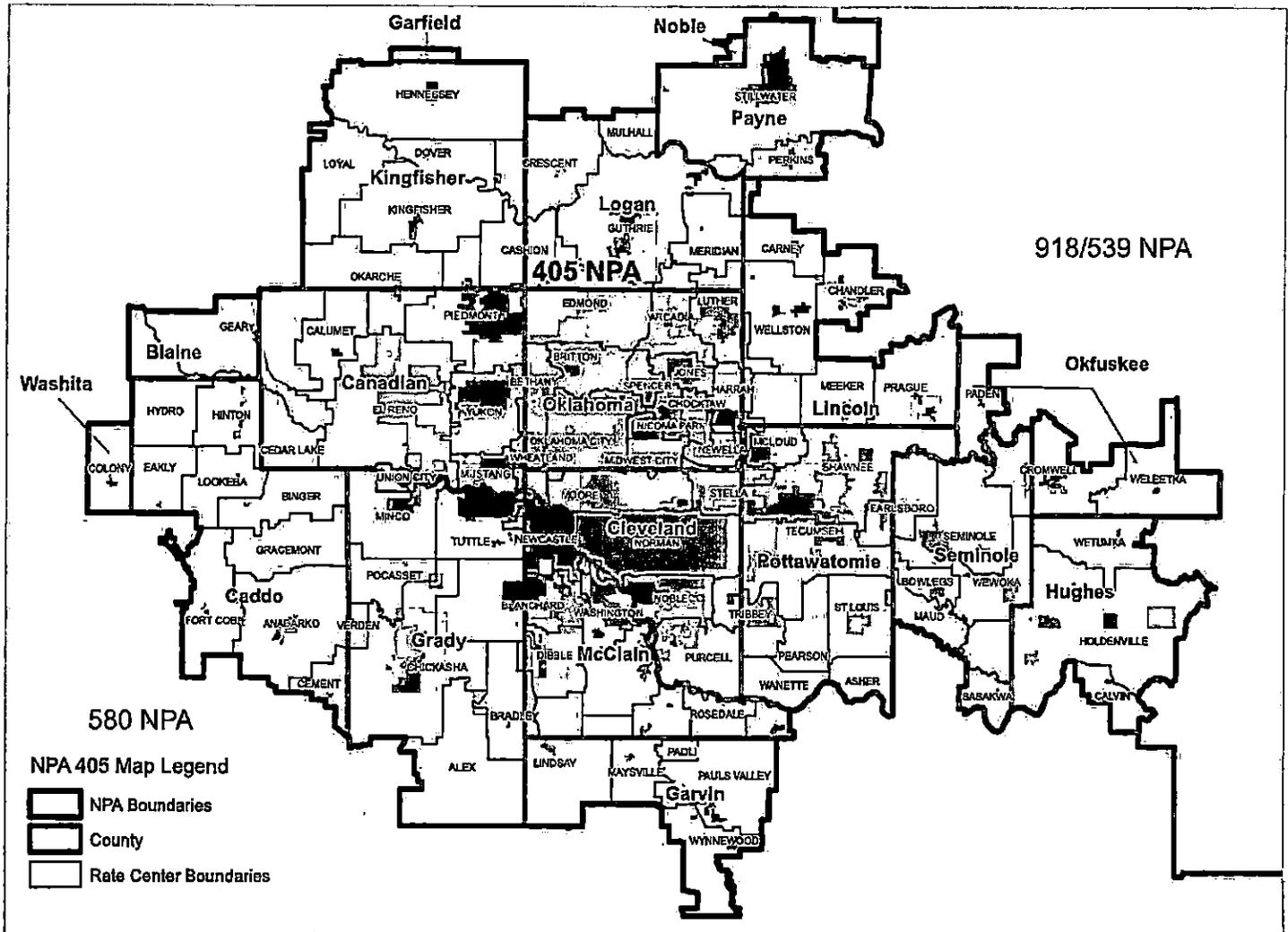
**Exhaust Forecast: 2Q2021** (demand rate of 1.28 codes per month) April 2018 NRUF Forecast.

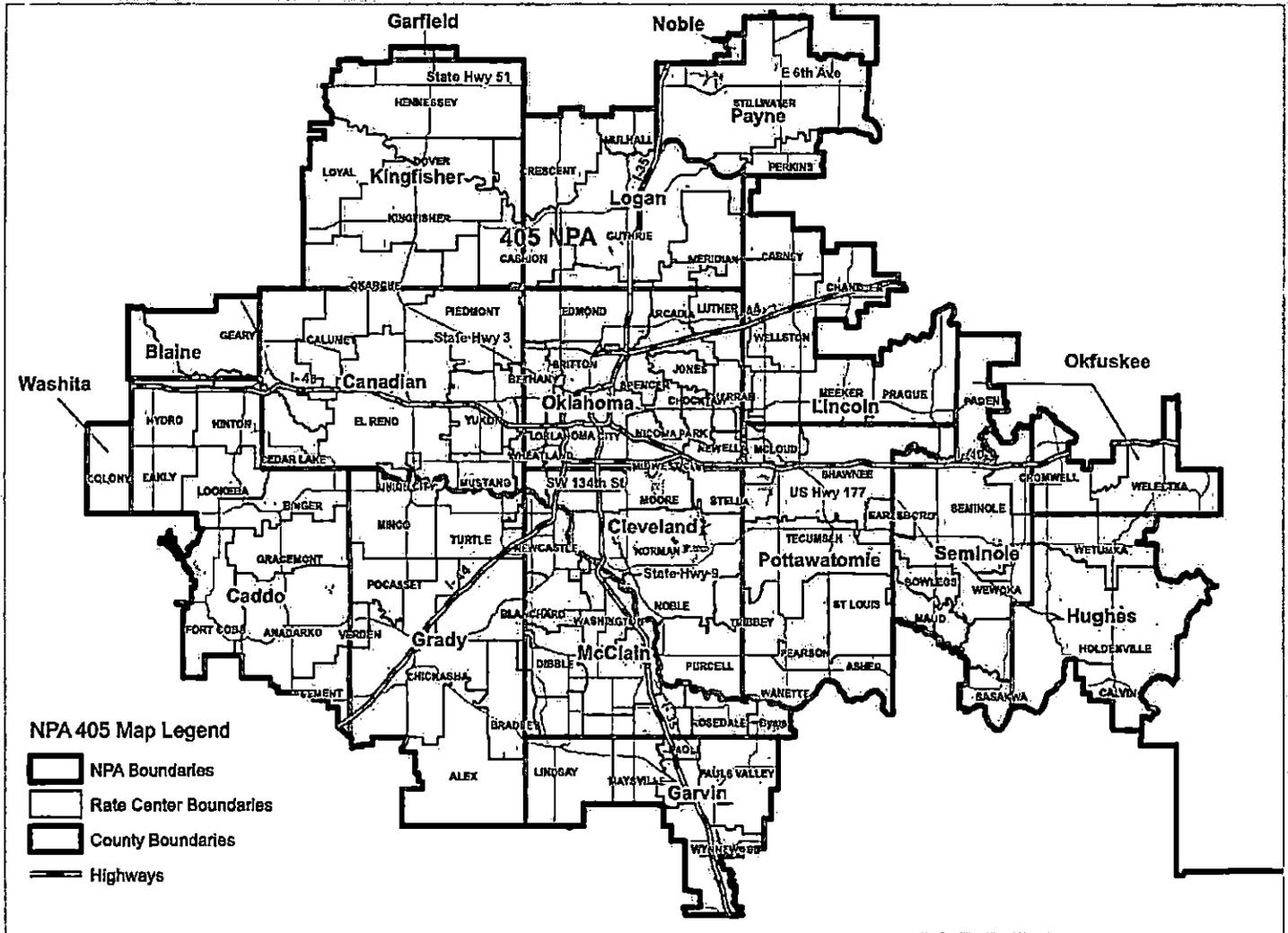
# OKLAHOMA AREA CODE MAP

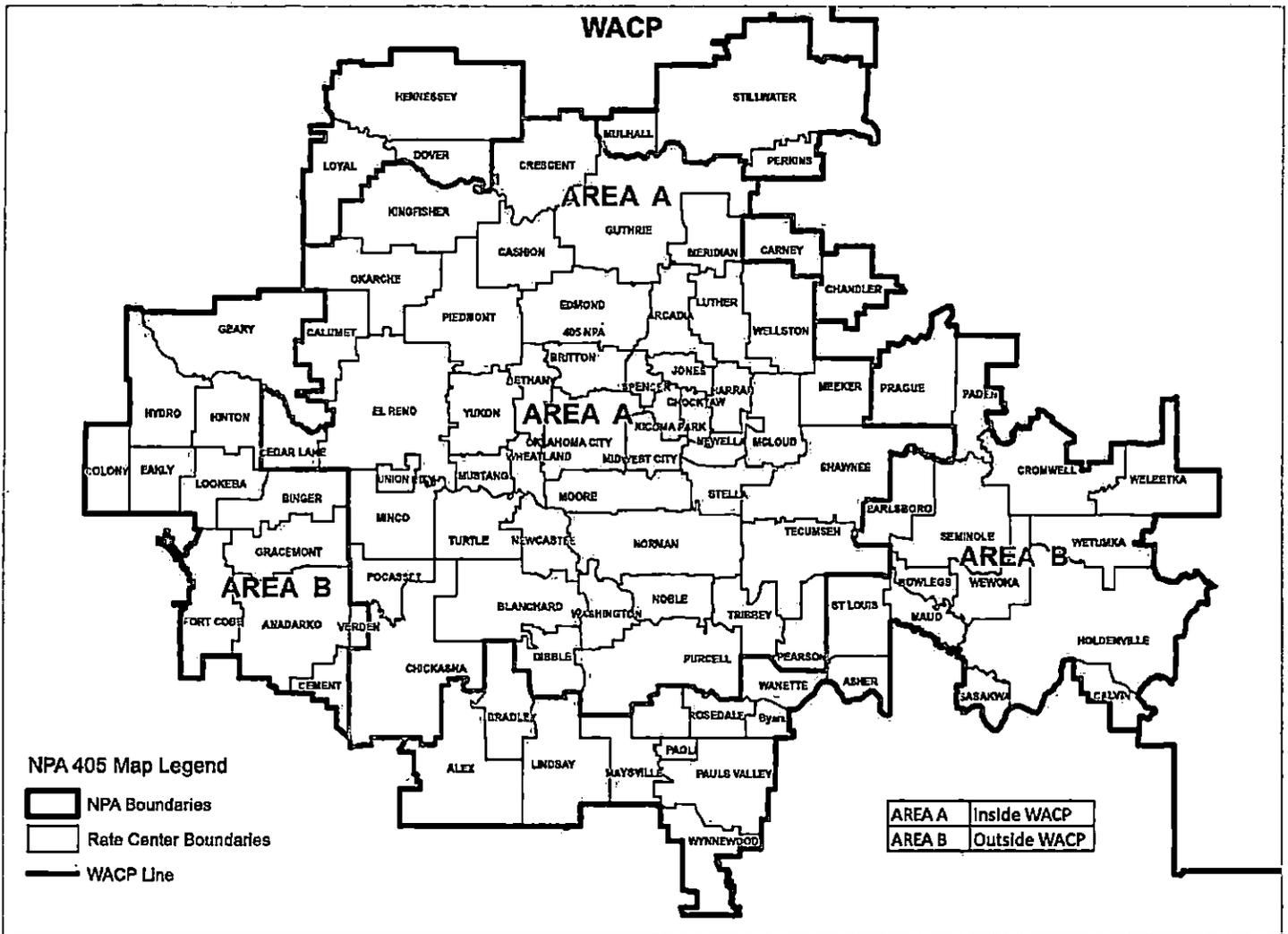


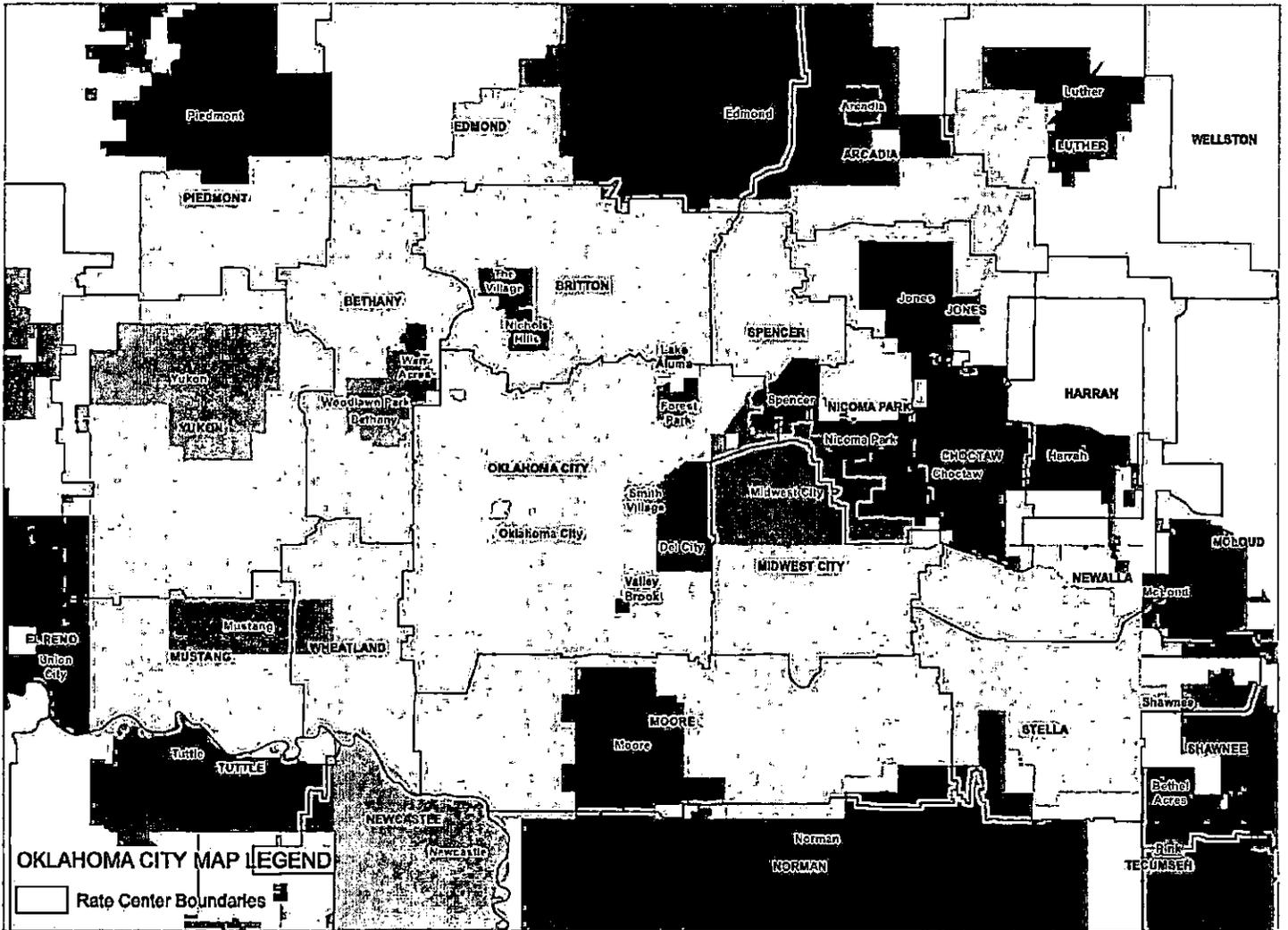












rev. 2018-04-17

Application of NANPA Re: 405 NPA

Oklahoma  
NPA 405 NXX Summary  
Data as of 4/25/18

<b>NPA</b>	<b>405</b>					
Assigned NXXs	732					
Protected NXXs	0					
Reserved NXXs	0					
Unavailable NXXs	18	See Note				
Available NXXs	50					
<b>Total</b>	<b>800</b>					
<b>Codes Assigned NPA 405</b>	<u>Jan-14</u>	<u>Feb-14</u>	<u>Mar-14</u>	<u>Apr-14</u>	<u>May-14</u>	<u>Jun-14</u>
	0	2	1	1	1	0
	<u>Jul-14</u>	<u>Aug-14</u>	<u>Sep-14</u>	<u>Oct-14</u>	<u>Nov-14</u>	<u>Dec-14</u>
	0	1	1	1	0	0
	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</u>	<u>May-15</u>	<u>Jun-15</u>
	0	0	3	2	1	5
	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>
	1	1	2	3	1	1
	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>May-16</u>	<u>Jun-16</u>
	0	2	3	0	0	5
	<u>Jul-16</u>	<u>Aug-16</u>	<u>Sep-16</u>	<u>Oct-16</u>	<u>Nov-16</u>	<u>Dec-16</u>
	2	2	2	1	0	1
	<u>Jan-17</u>	<u>Feb-17</u>	<u>Mar-17</u>	<u>Apr-17</u>	<u>May-17</u>	<u>Jun-17</u>
	0	0	2	0	0	2
	<u>Jul-17</u>	<u>Aug-17</u>	<u>Sep-17</u>	<u>Oct-17</u>	<u>Nov-17</u>	<u>Dec-17</u>
	4	4	3	0	0	1
	<u>Jan-18</u>	<u>Feb-18</u>	<u>Mar-18</u>	<u>Apr-18</u>		
	0	0	1	0*		
*As of April 25, 2018						
<b>Note: Unavailable indicates codes that are unavailable for assignment. These codes include, but are not limited to, test and special use codes (e.g., 958, 959, 555, time), N11 and other unique codes (e.g., 976, 950) and codes with special dialing arrangements (e.g., 7-digit dialing across NPA boundary).</b>						



<b>POOLING STATISTICS</b>	
<i>Provided By: Cecilia McCabe</i>	
<b>ST/NPA:</b>	OK 405
<b>MEETING DATE:</b>	
<b>MEETING SUBJECT:</b>	
<i>Relief Planning</i>	<b>X</b>
<i>Jeopardy</i>	
<i>Jeopardy Status Review</i>	
<i>UA NXXs</i>	
<i>Other</i>	
<b>POOL START DATE (PSD)</b>	3/14/2002
<b>RATE CENTERS</b>	
<i># Total</i>	93
<i># Mandatory</i>	70
<i># Mandatory-Single Service Providers (M*)</i>	8
<i># Optional</i>	5
<i># Excluded</i>	10
<b>BLOCKS ASSIGNED</b>	
<i># Total</i>	140
<i>(For time period 4/1/17 - 4/2/18)</i>	
<b>BLOCKS AVAILABLE</b>	
<i># Total</i>	554
<i>(As of preparation date: 4/2/18)</i>	
<b>CODES ASSIGNED</b>	
<i># Total</i>	15
<i># for Pool Replenishment</i>	9
<i># for Dedicated Customers</i>	0
<i># for LRNs</i>	6
<i>(For time period 4/1/17 - 4/2/18)</i>	
<b>CODES FORECASTED</b>	
<i># Total</i>	37
<i># for Pool Replenishment and Dedicated Customers</i>	37
<i># for LRNs</i>	0
<i>(For the next twelve months as of: 4/2/18)</i>	

<b>POOLING STATISTICS</b>	
<i>Provided By: Cecilia McCabe</i>	
<b>ST/NPA:</b>	OK 918/539
<b>MEETING DATE:</b>	5/30/2018
<b>MEETING SUBJECT:</b>	
<i>Relief Planning</i>	X
<i>Jeopardy</i>	
<i>Jeopardy Status Review</i>	
<i>UA NXXs</i>	
<i>Other</i>	
<b>POOL START DATE (PSD)</b>	5/7/2002
<b>RATE CENTERS</b>	
<i># Total</i>	181
<i># Mandatory</i>	43
<i># Mandatory-Single Service Providers (M*)</i>	26
<i># Optional</i>	73
<i># Excluded</i>	39
<b>BLOCKS ASSIGNED</b>	
<i># Total</i>	220
<i>(For time period 4/1/17 - 4/18/18)</i>	
<b>BLOCKS AVAILABLE</b>	
<i># Total</i>	1102
<i>(As of preparation date: 4/18/18)</i>	
<b>CODES ASSIGNED</b>	
<i># Total</i>	44
<i># for Pool Replenishment</i>	37
<i># for Dedicated Customers</i>	0
<i># for LRNs</i>	7
<i>(For time period 4/1/17 - 4/18/18)</i>	
<b>CODES FORECASTED</b>	
<i># Total</i>	44
<i># for Pool Replenishment and Dedicated Customers</i>	43
<i># for LRNs</i>	1
<i>(For the next twelve months as of: 4/18/18)</i>	

STATE: OKLAHOMA

NPA: 405

OCN DATA DATE: March 24, 2018

Company	OCN	CountOfNXX
365 WIRELESS, LLC	551G	1
AIRUS, INC. - OK	935H	1
AT&T CORP.	516C	2
BANDWIDTH.COM CLEC, LLC - OK	119F	7
BROOKS FIBER COMMUNICATIONS OF OKLAHOMA, INC. - OK	7258	8
CEBRIDGE TELECOM OK, LLC DBA SUDDENLINK COMMS - OK	390E	3
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - OK	5813	51
CELLULAR NETWORK PARTNERSHIP	4196	3
CENTRAL CELLULAR, LLC, DBA COTC CONNECTIONS-OK	094B	1
CENTURYLINK COMMUNICATIONS LLC	7575	1
CHICKASAW TELECOMMUNICATIONS SERVICES, INC.	4630	4
CHICKASAW TELEPHONE CO.	1980	2
COMCAST PHONE OF OKLAHOMA, LLC - OK	015J	3
COMMIO, LLC	939H	1
COX CABLE OKLAHOMA CITY INC.	7192	37
CROSS WIRELESS, LLC	148G	1
DOBSON TECHNOLOGIES-TRANSPORT & TELECOM SOL - OK	390B	5
FULLTEL, INC.	4589	9
HINTON TELEPHONE CO. OF HINTON OKLAHOMA, INC.	1995	6
ICON TELECOM, INC. - CLEC - OK	428A	1
INVENTIVE TECHNOLOGY, LTD. - OK	3070	10
LEVEL 3 COMMUNICATIONS, LLC - OK	5257	15
MCLEODUSA TELECOMMUNICATIONS SERVICES, INC. - OK	7410	1
MICLOUD TELEPHONE CO.	2006	3
METRO PCS, INC.	5562	3
NEUTRAL TANDEM-OKLAHOMA, LLC - OK	409F	11
NEW CINGULAR WIRELESS PCS, LLC - IL	6534	97
OKLAHOMA COMMUNICATION SYSTEM, INC.	1984	6
PAGE PLUS, INC.	9671	9
PEERLESS NETWORK OF OKLAHOMA, LLC - OK	384H	4
PIONEER TELEPHONE COOPERATIVE, INC.	2018	14
POTTAWATOMIE TELEPHONE CO.	2020	5

SOUTHWESTERN BELL	9533	237
SPRINT SPECTRUM L.P.	6664	42
TELEPORT COMMUNICATIONS AMERICA - OK- LLC	530C	10
TELNYX LLC	073H	2
T-MOBILE USA, INC.	6529	29
TOTAL TELECOMMUNICATIONS SERVICES, INC.	7350	1
UNITED STATES CELLULAR CORP. - OKLAHOMA	6272	8
USA MOBILITY WIRELESS, INC.	6630	17
VALOR TELECOM TX:LP-OK DBA WINDSTREAM COMM SW	1165	18
VONAGE NETWORK INC.	197D	1
WESTERN COMMUNICATIONS, INC DBA LOGIX COMM - OK	7048	24
WICHITA ONLINE, INC. - OK	258F	1
WINDSTREAM NUVOX OKLAHOMA, LLC	2813	15
YMAX COMMUNICATIONS CORP. - OK	362E	1

ONE-THOUSAND BLOCK HOLDERS IN THE 405 NPA THAT DO NOT HAVE NXX CODES ASSIGNED

NPA:Complex	OCN	Company
405	814F	BROADVOX-CLEC, LLC - OK

STATE: OKLAHOMA

NPA: 405

RATE CENTER DATA DATE: March 24, 2018

Rate Center	CountOfNXX
ALEX	2
ANADARKO	7
ARCADIA	4
ASHER	2
BETHANY	26
BINGER	2
BLANCHARD	1
BOWLEGS	1
BRADLEY	1
BRITTON	36
BYARS	2
CALUMET	1
CALVIN	2
CARNEY	2
CASHION	1
CEDAR LAKE	1
CEMENT	2
CHANDLER	8
CHICKASHA	11
CHOCTAW	3
COLONY	2
CRESCENT	1
CROMWELL	2
DIBBLE	1
DOVER	1
EAKLY	1
EARLSBORO	2
EDMOND	24
EL RENO	6
FORT COBB	2
GEARY	1
GRACEMONT	1
GUTHRIE	6
HARRAH	3
HENNESSEY	1
HINTON	4
HOLDENVL	5
HYDRO	1

JONES	1
KINGFISHER	5
LINDSAY	3
LOOKEBA	1
LOYAL	1
LUTHER	3
MAUD	2
MAYSVILLE	1
MACLOUD	2
MEEKER	2
MERIDIAN	2
MIDWEST CY	16
MINCO	2
MOORE	24
MULHALL	2
MUSTANG	4
NEWALLA	2
NEWCASTLE	2
NICOMAPARK	4
NOBLE	4
NORMAN	22
OKARCHE	1
OKLA CITY	327
PADEN	1
PAOLI	1
PAULS VLY	6
PEARSON	1
PERKINS	2
PIEDMONT	4
POCASSET	2
PRAGUE	3
PURCELL	3
ROSEDALE	1
SASAKWA	1
SEMINOLE	7
SHAWNEE	15
SPENCER	4
ST LOUIS	1
STELLA	1
STILLWATER	26
TECUMSEH	3
TRIBBEY	1
TUTTLE	4

UNION CITY	1
VERDEN	1
WANETTE	2
WASHINGTON	1
WAYNE	1
WELEETKA	2
WELLSTON	2
WETUMKA	2
WEWOKA	3
WHEATLAND	5
WYNNEWOOD	3
YUKON	9

STATE: OKLAHOMA  
 NPA: 539/918  
 OCN DATA DATE: April 17, 2018

Company	OCN	CountOfNXX
365 WIRELESS, LLC	551G	1
AIRUS, INC. - OK	935H	1
AT&T CORP.	516C	4
ATLAS TELEPHONE CO.	1966	3
BANDWIDTH.COM CLEC, LLC - OK	119F	6
BEGGS TELEPHONE CO., INC.	1968	1
BIXBY TELEPHONE CO., INC.	1969	4
BROOKS FIBER COMMUNICATIONS OF OKLAHOMA, INC. - OK	7258	10
BTC BROADBAND, INC.	669B	4
CANADIAN VALLEY TELEPHONE CO.	1974	2
CEBRIDGE TELECOM OK, LLC DBA SUDDENLINK COMMS - OK	390E	3
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - OK	5813	46
CELLULAR NETWORK PARTNERSHIP	4196	1
CENTRAL CELLULAR, LLC, DBA COTC CONNECTIONS-OK	094B	1
CENTRAL OKLAHOMA TELEPHONE CO., LLC	1977	7
CENTURYLINK COMMUNICATIONS LLC	7575	20
CENTURYTEL NW AR DBA CENTURYLINK - SILOAM SPRINGS	1143	1
CENTURYTEL NW AR-RUSSELVL DBA CENTURYLINK-RUSSELLV	1142	2
CHEROKEE TELEPHONE CO.	1979	2
CHOUTEAU TELEPHONE CO.	1981	3
CIMARRON TELEPHONE CO.	1982	10
COMCAST PHONE OF OKLAHOMA, LLC - OK	015J	4
COMMIO, LLC	939H	1
COX ARKANSAS TELCOM, LLC - AR	756D	1
COX CABLE OKLAHOMA CITY INC.	7192	19
CRAW - KAN TELEPHONE COOPERATIVE, INC. - KANSAS	1818	2
CROSS CABLE TELEVISION, LLC - OK	809H	2
CROSS TELEPHONE CO.	1985	11
CROSS WIRELESS, LLC	148G	16
DOBSON TECHNOLOGIES-TRANSPORT & TELECOM SOL - OK	390B	1
FULLTEL, INC.	4589	22

GRAND TELEPHONE CO., INC.	1994	2
LAVACA TELEPHONE CO.	1704	1
LEVEL 3 COMMUNICATIONS, LLC - OK	5257	35
LEVEL 3 TELECOM OF OKLAHOMA, LLC - OK	7632	11
MCLEODUSA TELECOMMUNICATIONS SERVICES, INC. - OK	7410	1
NEUTRAL TANDEM-OKLAHOMA, LLC - OK	409F	12
NEW CINGULAR WIRELESS PCS, LLC - IL	6534	90
NORTHEAST RURAL SERVICES, INC. - OK	945H	3
OKLAHOMA COMMUNICATION SYSTEM, INC.	1984	6
OKLAHOMA WESTERN TELEPHONE CO.	2014	9
OKLAHOMA WESTERN TELEPHONE COMPANY	9304	1
OKLAHOMA WINDSTREAM, INC.	2011	15
OKLATEL COMMUNICATIONS, INC.	2013	6
OZARK TELEPHONE CO.	1866	1
PAGE PLUS, INC.	9671	3
PAGING TULSA, INC.	6840	2
PEERLESS NETWORK OF OKLAHOMA, LLC - OK	384H	2
PINE TELEPHONE COMPANY DBA PINE CELL PHONES, INC.	235C	5
SALINA - SPAVINAW TELEPHONE CO.	2022	6
SENECA TELEPHONE CO.	1945	2
SHIDLER TELEPHONE CO.	2023	5
SOUTHWESTERN BELL	9533	234
SPRINT SPECTRUM L.P.	6664	30
TELEPORT COMMUNICATIONS AMERICA - OK- LLC	530C	6
TELNYX LLC	073H	5
T-MOBILE USA, INC.	6529	18
TOTAH COMMUNICATIONS, INC.	2030	8
TOTAL TELECOMMUNICATIONS SERVICES, INC.	7350	1
UNITED STATES CELLULAR CORP. - OKLAHOMA	6272	31
USA MOBILITY WIRELESS, INC.	6630	9
VALOR TELECOM TX.LP-OK DBA WINDSTREAM COMM SW	1165	41
VANTAGE TELECOM, LLC DBA NEWROADS TELECOM - OK	394B	4
VONAGE NETWORK INC.	197D	1
WEST TELECOM SERVICES, LLC - OK	833C	2
WESTERN COMMUNICATIONS, INC DBA LOGIX COMM - OK	7048	16
WINDSTREAM NUVOX OKLAHOMA, LLC	2813	8
WINDSTREAM OKLAHOMA, INC.	1965	5
WYANDOTTE TELEPHONE CO.	2034	1

YMAX COMMUNICATIONS CORP. - OK

362E

1

ONE-THOUSAND BLOCK HOLDERS IN THE 539/918 NPAs THAT DO NOT HAVE NXX CODES ASSIGNED

NPA Complex	OCN	Company
539/918	5562	METRO PCS, INC.

# 405 NPA - RELIEF ALTERNATIVES

## OKLAHOMA

Numbering Plan Area Born on Date: January 1, 1947

### NPA RELIEF PLANING TOOL ASSUMPTIONS

NRUF DATE..... April 2018  
 PROJECTED EXHAUST DATE.....2Q2021  
 ANNUALIZED CODE DEMAND PROJECTION.....15  
 MONTHLY CO CODE DEMAND PROJECTION.....1.28  
 NXX Assignment data .....April 17, 2018

### CURRENT DIALING PLAN

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA)	7 digits (NXX-XXX)
	Foreign NPA (FNPA)	7 digits (NXX-XXX)
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services <small>Credit card, collect, third party</small>	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

### NPA RELIEF ALTERNATIVES

#### OVERLAY ALTERNATIVE

#### **ALTERNATIVE #1 - ALL SERVICES DISTRIBUTED OVERLAY**

A new NPA code would be assigned to the same geographic area occupied by the existing 405 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 405 NPA all future code assignments will be made in the overlay area code. A map is provided. The projected life would be:

Total CO Codes = 732  
 Total Rate Centers = 93  
 Area Code Life in Years = 43

#### **ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY**

The boundary between the existing 405 and 918/539 NPA codes would be eliminated and the 405 and 918/539 NPAs would be assigned to the same geographic areas occupied by the existing 405 and 918/539 NPAs. The 405 NPA and 918/539 NPA customers would retain

their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 405 and 918/539 NPAs in the affected area would be required. Available central office codes in the 918/539 overlay NPA will be assigned upon request in the 405 area with the effective date of the new area code boundary and available 405 NPA central office codes could be assigned upon request in the 918/539 NPA area. At exhaust of the 405 NPA all future NXX code assignments will be made from the 918/539 overlay area code supply of central office codes. There are 181 rate centers in the 918/539 NPA with a forecasted exhaust of 4Q2042; eliminating the boundary to include the 405 NPA area would result in a projected life of approximately 27 years before additional relief would be required.

**405 NPA**  
Total CO Codes = 732  
Total Rate Centers = 93

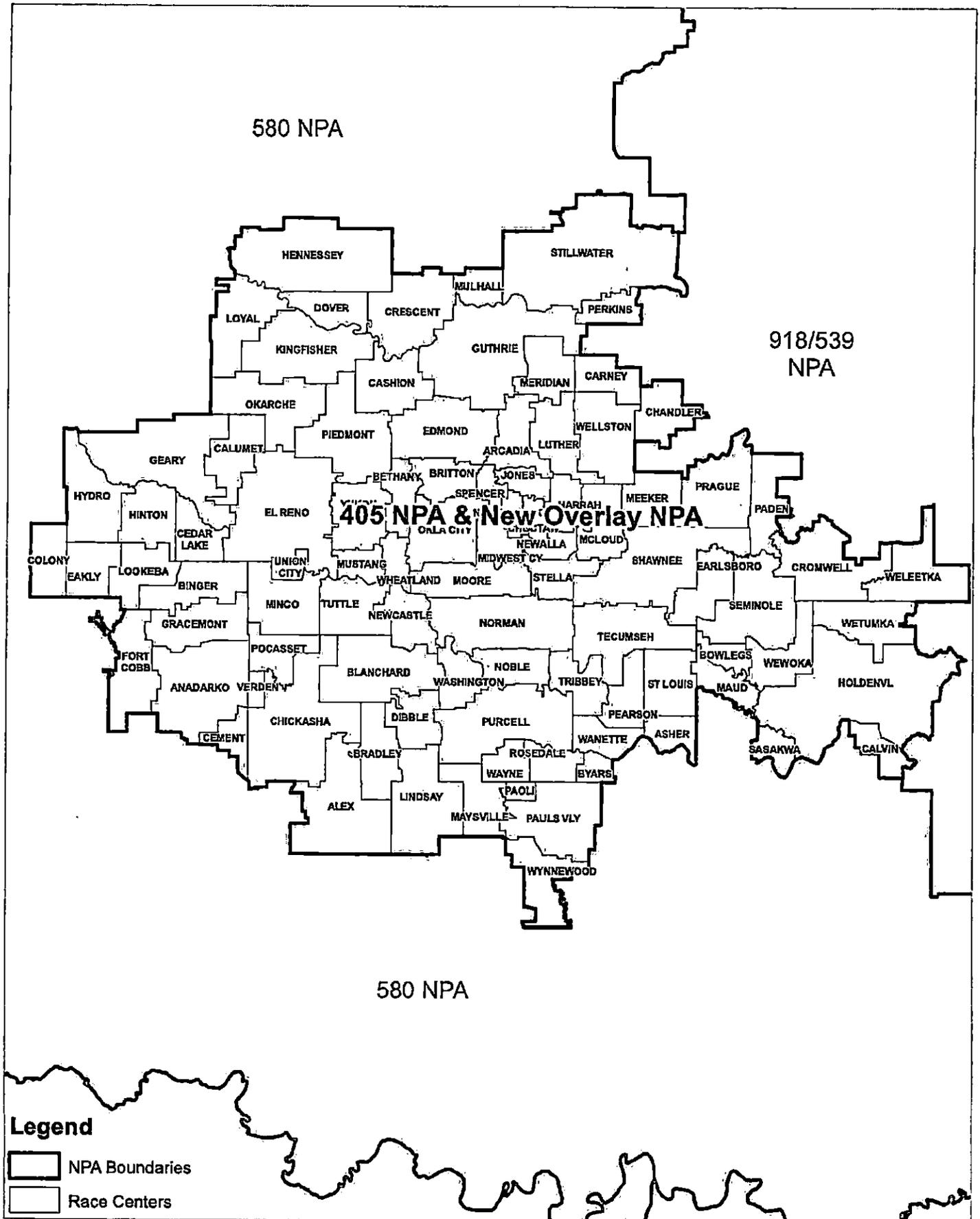
**918/539 NPAs**  
Total CO Codes = 850  
Total Rate Centers = 181

Combined Area Code Life in Years = 27 years

GEOGRAPHIC SPLIT ALTERNATIVE
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The Oklahoma 405 NPA has a Wide Area Calling Plan that includes 47 rates. The Oklahoma City rate center has 45% of all the code assignments in the 405 NPA. Due to these circumstances, it is not recommended to split the 405 NPA.

NANPA has determined that no split alternative will meet the INC Guidelines. Therefore, no split alternative was developed.



**Legend**  
 [Thick Line] NPA Boundaries  
 [Small Square] Race Centers



# APPLIC

PROGRAM	C.P.S	SCANNED	INDEXED
INITIALS	LJ	UM	
DATE			