



November 30, 2021

Electronically Filed

Hon. Michelle L. Phillips
Secretary to the Commission
New York State Public Service Commission
Agency Building 3
Albany, NY 12223-1350

Re: Petition of the North American Numbering Plan Administrator, On Behalf of
the New York Telecommunications Industry, For Relief of the “845” Numbering
Plan Area

Dear Secretary Phillips:

The North American Numbering Plan Administrator (“NANPA”), hereby submits for
filing a petition on behalf of the New York telecommunications industry for relief of the
“845” Numbering Plan Area (“NPA”) (aka “area code”).

If you have any questions regarding this filing, please contact me at 925-420-0340.

Respectfully submitted,

Florence Weber
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**BEFORE THE
STATE OF NEW YORK PUBLIC SERVICE COMMISSION**

Petition of the North American	)	
Numbering Plan Administrator on Behalf	)	
Of the New York Telecommunications	)	Case Number: _____
Industry for Relief of the 845 NPA	)	

**PETITION OF THE
NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR
ON BEHALF OF THE NEW YORK TELECOMMUNICATIONS INDUSTRY**

Respectfully submitted,



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November 30, 2021

**NEW YORK PUBLIC SERVICE COMMISSION
Albany, New York 12223-1350**

**Petition of the North American)
Numbering Plan Administrator, on)
Behalf of the New York)
Telecommunications Industry, for)
Relief of the 845 Numbering Plan Area)**

Case No: _____

**PETITION OF THE
NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR
ON BEHALF OF THE NEW YORK TELECOMMUNICATIONS
INDUSTRY**

The North American Numbering Plan Administrator (“NANPA”), as the neutral third-party numbering plan area (“NPA”) (also referred to as “area code”) relief planner for New York and on behalf of the New York telecommunications industry (“Industry”),¹ hereby notifies the New York Public Service Commission (“Commission”)² that the 845 NPA serving the southeastern portion of New York, is projected to exhaust its Central Office codes (often referred to as “CO” or “NXX” codes) by the third quarter of 2024 and is in need of relief. This means that absent NPA relief, the supply of CO codes in the 845 NPA is estimated to run out during the projected exhaust quarter. In accordance with Industry guidelines, only an overlay will meet the requirements for relief of the 845 NPA, which is in the midst of transitioning to mandatory 10-digit local dialing due to the national implementation of the 988 three-digit abbreviated dialing

¹The Industry is composed of current and prospective telecommunications carriers operating in or considering operations within the 845 NPA.

²The Federal Communications Commission (“FCC”) delegated authority to the states to review and approve NPA relief plans. *See* 47 C.F.R. §52.19.

code (“dialing code”) to reach the National Suicide Prevention Lifeline.³ The Industry respectfully requests that the Commission expeditiously approve the Industry’s plan to implement Alternative #1, the all-services distributed overlay of the 845 NPA, as set forth herein.

Background: The 845 NPA was created as a result of the geographic split of the 914 NPA and has been in service since June 5, 2000. The 845 NPA serves all or parts of Columbia, Delaware, Dutchess, Greene, Orange, Putnam, Rockland, Sullivan, and Ulster counties. The geographic split ordered by the Commission runs along the county boundary dividing Westchester County from Putnam and Rockland counties. The split line does not follow traditional rate center boundaries and five rate centers (Peekskill, Lakeland, Mahopac, Croton Falls, and North Salem) were divided. Consequently, CO codes assigned in the 914 NPA serving these rate centers were duplicated in the 845 NPA. The 845 NPA is in the southeastern portion of New York State and is bordered on the north by the 518/838 NPAs, to the northeast by the 607 NPA, to the south by the 914 NPA and the New Jersey 201/551 NPAs, to the east of the Connecticut 860/959 and 203/475 NPAs, and to the southwest of the New Jersey 862/973 NPAs and the Pennsylvania 272/570 NPAs.

As required by the FCC, NANPA collects CO code assignment, utilization, and forecasted demand data to determine the projected demand for numbering resources. NANPA uses this data to project the exhaust date of each area code and publishes the results twice a year. In October 2021 NANPA published its semi-annual Numbering

³ See NANPA Planning Letter 556 published on the NANPA website at https://www.nationalnanpa.com/pdf/PL_556.pdf.

Resource Utilization/Forecast (NRUF) and NPA Exhaust Analysis (“October 2021 NRUF Report”) which indicated that the 845 NPA would exhaust during the third quarter of 2024.⁴

The 845 NPA is scheduled to complete the transition to mandatory 10-digit local dialing by July 15, 2022 as a result of the FCC’s Order approving the designation of 988 as the three-digit dialing code for the National Suicide Prevention Lifeline.⁵ The NPA Relief Planning Guidelines were amended to accommodate the impact that the national implementation of the 988 dialing code will have on area code relief. The amended NPA Relief Planning Guidelines state that “where NPA relief is required for a single NPA area and ... the NPA is scheduled to transition to 10-digit dialing...the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.”⁶

Due to this change to the Guidelines, the only option for relief of the 845 NPA is an overlay. However, because NANPA determined there were two overlay options possible for relief of the 845 NPA, an all-services distributed overlay and a boundary elimination overlay with the addition of a new NPA, NANPA distributed an Initial

⁴ October 2021 NRUF and NPA Exhaust Analysis (“October 2021 NRUF Report”). The October 2021 NRUF Report can be accessed on the NANPA web site at <https://www.nanpa.com>.

⁵ Under the Industry 10-digit dialing transition plan for 988 implementation, customers have already been educated that mandatory 10-digit dialing began on October 24, 2021. Service providers have between October 24, 2021 and July 15, 2022 to remove 7-digit dialing in the 845 NPA from their networks. See the 988 milestones posted on the NANPA website at https://www.nationalnanpa.com/transition_to_10_digit_dialing_for_988/index.html.

⁶ NPA Code Relief Planning and Notification Guidelines (ATIS-0300061, July 2, 2021) at §5.6.3 (“NPA Relief Planning Guidelines”). In order to plan for the introduction of new area codes, NANPA and the Industry utilize the NPA Relief Planning Guidelines to 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/.

Planning Document (“IPD”)⁷ containing those two relief alternatives to the Industry with the meeting notice on September 30, 2021.⁸ The Industry met on October 28, 2021, to review the following two relief alternatives in the IPD:

- **Alternative #1:** An all-services distributed overlay of the 845 NPA that has a projected life of 28 years.
- **Alternative #2:** A boundary elimination overlay of the 845 and 914 NPAs with the addition of a new NPA. This boundary elimination alternative would remove the existing boundary between the 845 and 914 NPAs creating one all-services distributed overlay area. CO codes from the non-exhausting 914 NPA would be assignable in the exhausting 845 NPA, and any remaining CO codes from the exhausting 845 NPA would be assignable in the non-exhausting 914 NPA after the overlay is implemented. Once all of the CO codes in both existing NPAs are exhausted, a new overlay NPA will be activated. Alternative #2 has a projected life of 19 years.

At the meeting, the Industry participants discussed the attributes of both relief alternatives and reached consensus to recommend to the Commission Alternative #1, an all-services distributed overlay of the 845 NPA as the preferred form of relief. The Industry supported the all-services distributed overlay alternative because it has a longer life, is easier and takes less time to implement, and will cause less customer confusion.⁹

The Industry also established, by consensus, a relief implementation schedule

⁷ A copy of the IPD is included in Exhibit A.

⁸ NANPA’s September 30, 2021 notice to the Industry is included in Exhibit A and contains CO code assignment information, thousands-block pooling statistics, the IPD, and maps of the overlay alternatives.

⁹ See Exhibit B which includes the final meeting minutes from the October 28, 2021 meeting, including Industry consensus on pros and cons for each relief alternative.

which includes flexible timeframes so that the Industry can accommodate certain holidays, high traffic days, network freeze periods, and implementation dates for other NPA relief activities occurring in other parts of the country.

The Industry recommends that it implement the new overlay NPA based upon a 9-month schedule. The new NPA will be implemented after customer education of the transition to 10-digit dialing is completed in the 845 NPA. Adhering to the Industry agreed-upon schedule will allow the new NPA to be implemented six months prior to the projected exhaust of the 845 NPA.¹⁰ The Industry will complete the implementation of mandatory 10-digit local dialing by July 15, 2022, well before usage of the new NPA.

Description of the Overlay: The all-services distributed overlay would superimpose a new NPA over the same geographic area covered by the existing 845 NPA and is projected to last approximately 28 years. NANPA would not assign CO codes from the new overlay NPA until all assignable CO codes from the 845 NPA are exhausted. All existing customers would retain their current area code in the overlay area and would not have to change their telephone numbers. The implementation of an overlay requires mandatory 10-digit dialing for local calls, including calls within the same NPA. However, by the time the new overlay NPA is effective, customers in the 845 NPA will already be required to dial 10 digits for local calls as a result of the national implementation of the 988 3-digit abbreviated dialing code to reach the National Suicide Prevention Lifeline.

The Industry recommended the following dialing plan which is consistent with other overlay dialing plans in New York:

¹⁰ NPA Relief Planning Guidelines at §7.2.

Type of call	Call terminating in	Dialing Plan
Local/Toll Call	Home NPA (HNPA)	10-digits (NPA-NXX-XXXX)*
Local/Toll Call	Foreign NPA (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)

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

The Industry reached consensus to implement relief in accordance with a 9-month schedule, which would start after mandatory 10-digit local dialing customer education and implementation has been completed in the 845 NPA as part of the 988 transition. The schedule does not include specific dates, but rather timeframes to identify the phases of implementation. Once the Commission has approved the instant Petition, the Industry will select specific dates at an implementation meeting to ensure the dates do not interfere with certain holidays, high traffic calling days, network freeze periods, or other NPA relief implementation activities occurring across the country. Moreover, the Commission's expeditious approval of the instant Petition and adherence to the proposed implementation schedule will avoid the denial or delay of service to telecommunications providers' customers due to the unavailability of CO codes.

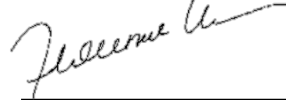
The Industry-agreed upon implementation schedule is set forth in the table below. Also, it should be noted that there is no requirement for a permissive dialing period because mandatory 10-digit dialing will be enforced before the 9-month implementation schedule is completed.

Implementation Timeframe	
EVENT	TIMEFRAME
Customer Education and Network Preparation Period	9 Months
Effective date of the new NPA (and earliest possible CO code activation) *	At the completion of customer education and network preparation period (6 months prior to exhaust)

* CO codes in the new NPA will not be assigned until all available codes in the 845 NPA have been exhausted.

Conclusion: The Industry requests that this Petition be granted expeditiously and, to the extent possible, forego in-person meetings and hearings in favor of written comments and reply comments. Once the Commission has granted this Petition, the Industry will implement an all-services distributed overlay over the 845 NPA in accordance with the implementation schedule set forth above. As such, the Industry requests that the Commission grant this petition no later than June 1, 2022.

Respectfully submitted,



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November 30, 2021

EXHIBIT A



September 30, 2021

To: All 845 NPA Code Holders and Interested Industry Members (New York)

Subject: New York 845 NPA Initial Planning Document

The North American Numbering Plan Administrator (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 2021, the 845 NPA in New York is projected to exhaust during the third quarter of 2024, and relief planning is to begin in the third quarter of 2021.

The NPA Code Relief Planning and Notification Guidelines state if a single NPA is scheduled or has already transitioned to 10-digit dialing, an overlay is the only option and the IPD is not required. However, NANPA has determined more than one overlay alternative is a viable relief option for the 845 NPA.

Accordingly, on October 28, 2021, NANPA will convene an industry NPA relief planning meeting to develop a recommended relief plan for the 845 NPA. The objective of this meeting is to secure consensus among members of the New York Telecommunications Industry on a single plan of relief for the 845 NPA. The resulting relief plan will be filed with the New York Public Service Commission 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.

Also attached to this notice is the meeting agenda, consensus process, the New York 845 NPA Central Office Code Summary and Pooling Statistics reports, relief planning meeting aids, Service Provider CO Code assignments by OCN, customer and technical milestones and associated maps. Due to the fact there are relief alternatives outlined that include the 914 NPA, the Pooling Statistics and Central Office Code Summary are included for this additional NPA.

Because the impacts of NPA relief are so significant, NANPA strongly encourages your participation on October 28, 2021. 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 New York Public Service Commission for approval. The details of the relief planning meeting is as follows:

Date: Thursday, October 28, 2021

Time: 10:30 am PT; 11:30 am MT; 12:30 pm CT; 1:30 pm ET

Join Zoom Meeting

<https://somos.zoom.us/j/83298915809?pwd=LzdjWGJjVVE5NFkwVk1oWlFmVnhxUT09&from=addon>

Meeting ID: 832 9891 5809

Password: 751909

One tap mobile

8884754499,,83298915809# US Toll-free

8778535257,,83298915809# US Toll-free

Dial by your location

888 475 4499 US Toll-free

877 853 5257 US Toll-free

855 703 8985 Canada Toll-free

Meeting ID: 832 9891 5809

Please feel free to distribute this notice to others in the industry that you feel should attend this important NPA relief planning meeting. If you receive this notice from someone else and would like to receive additional information in the future about the 845 NPA, you are encouraged to sign up to NANPA's NANP Administration System (NAS) NANP Notification System (NNS) by going to 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) 363-3824 or via email at hwayman@nanpa.com.

Sincerely,

Heidi A. Wayman

Manager, Data Management

NANPA

cc: Lauriann Mullen – New York Department of Public Service

**New York 845 NPA
INITIAL RELIEF PLANNING MEETING
VIA WEB**

**October 28, 2021
10:30 AM PT, 11:30 AM MT, 12:30 PM CT, 1:30 PM ET**

AGENDA

Welcome, Introductions, Consensus Definition / Statements for the record

NANPA's Role and Responsibilities

Review of 845 NPA Background and History

Review 845 and 914 NPA Status

Review Initial Planning Document and Proposed Alternatives

Consensus on Relief Alternative

Consensus on Implementation Intervals

Consensus on Customer Education & Technical Milestones

Consensus on Approval & Filing

Statements for the Record

Set Date to Approve Minutes

Open Discussions

Adjourn

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.

- 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.
- b) The relief plan may need to be changed over time to reflect changes that take place such as demand for NXX codes or other factors (e.g., local competition, LNP, implementation of thousands-block number pooling, etc.). The semi-annual NRUF analysis shall be used as one of the tools in updating the options.
- c) Affected Parties are invited to provide input into development of the plan. The appropriate regulatory authority shall be made aware of the plan and approve the plan, if necessary.
- d) The choice of relief methods (e.g., split, overlay, boundary realignment) shall be specified in the plan, along with boundaries if a split is chosen. The options under consideration should include the choice of relief method, boundary information, the estimated relief period and other assumptions such as projected code assignment rates, etc. The lives of relief alternatives are based on the projected rate of assignment of codes as described in Section 5.1, and these alternatives' lives commence at the point in time of projected exhaust of the NPA. See Appendix D for a summary of the relief model.
- 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.
- 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.²
- 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.³ 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.

² Per letter dated 10-29-97 from NANC Chairman to INC Moderator.

³ In the case of an NPA overlay, cross NPA boundary calls originating from the overlay must be dialed on a 10-digit basis.

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, the end of the recorded announcement period should be at least six months prior to the earliest likely exhaust date.

- The NPA relief planning process shall begin immediately if NANPA finds it necessary to declare an NPA to be in Jeopardy before relief planning for that NPA has begun. NANPA will distribute the Initial Planning Document to the industry within four weeks of the declaration of jeopardy and will hold an industry NPA Relief Planning meeting no more than eight weeks after the Jeopardy announcement.
- It should be noted that an exhaust date based on a controlled allocation (rationing) is not reflective of the true need for relief.
- In cases where the NPA is in jeopardy and CO codes are rationed, two exhaust dates will be reported: (1) the exhaust date at jeopardy declaration, and (2) the exhaust date with controlled allocation.

5.2 Identify the Alternative Relief Methods Available

Within the affected NPA, the NANPA should next identify possible NPA relief alternatives and methods from among those identified in Section 6.

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, and 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 notification to 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/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 consideration⁴.

⁴ 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.

Within 6 weeks of the conference call (unless otherwise agreed by the Affected Parties), NANPA shall submit the filing 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 Relief For A Single NPA When An Overlay is the Only Viable Alternative

Where NPA relief is required for a single NPA area, 10-digit dialing has not been implemented, and NANPA has determined that only an overlay alternative will meet the guidelines, then the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.

NANPA shall draft a relief plan filing 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 three (3) weeks in advance of a conference call scheduled to review and approve the draft filing. 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 three (3) week timeframe notification may be necessary to allow individual industry members to fully analyze the technical, educational, and operational impacts to their respective subscribers and networks in determining the timeframes needed for implementation.

During the conference call, the timeframes for the implementation schedule will be determined to finalize the relief filing. The draft filing will include a recommendation for 10-digit dialing for local⁵ calls (to either the home NPA (HNPA) and to foreign NPA(s) [FNPA]), and 1+10-digit dialing for toll calls (to either HNPA or FNPA), unless the state has an existing overlay dialing plan that is different. The recommended relief (i.e., mandatory dialing and the new NPA's inservice 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 14 calendar days of the conference call.

Within 6 weeks of the conference call (unless otherwise agreed by the Affected Parties), NANPA shall submit the filing to the appropriate regulatory agency requesting approval of the overlay. After regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

5.6.3 Relief For A Single NPA When 10-Digit Dialing Has Been or Will Be Implemented

Where NPA relief is required for a single NPA area that is scheduled to transition to 10-digit dialing or has already transitioned to 10-digit dialing⁶, then the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.

NANPA shall draft a relief plan filing 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 filing 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 filing. 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 Section 7.2). As usual, meeting minutes shall be produced and distributed by NANPA within 14 calendar days of the conference call.

Within 6 weeks of the conference call (unless otherwise agreed by the Affected Parties), NANPA shall submit the filing to the appropriate regulatory agency requesting approval of the overlay. After regulatory approval has been received, NANPA shall proceed with the implementation process, as reflected in Sections 5.7 – 5.12.

⁵ As an industry Best Practice, service providers are encouraged to also provide permissive 1+ 10 digit local dialing at their discretion.

⁶ For example, FCC 20-100, ¶53.

When an NPA overlay is to be implemented, the RNA shall not assign p-ANI resources in the new NPA until the new overlay NPA has been implemented.

6. Alternative Relief Methods

All of the currently identified code relief alternatives are described below, but depending on the particular NPA and the distribution of assigned NXXs within it, some alternatives may not be compliant with the criteria in Section 5.0 above (e.g., in an NPA with a high concentration of assigned NXXs in one or only a few rate centers, the overlay may be the only possible relief method). Possible impacts of these alternatives are found in Appendices B, E and G.

6.1 NPA Split Method

By this method, the exhausting NPA is split into two or more geographic areas and a new NPA code is assigned to one of the areas formed by the split. This method generally acknowledges jurisdictional or natural boundaries but, for technical reasons and number optimization considerations, the actual boundaries must conform to existing rate center boundaries. Number changes are mandatory for customers assigned numbers from NXX codes that are moved to the new NPA.

6.2 Boundary Realignment Method

In an NPA boundary realignment, the NPA requiring relief is adjacent to an NPA, within the same state or province, which has spare NXX code capacity. A boundary shift/realignment occurs so that spare codes in the adjacent NPA can be used in the NPA requiring relief. As a result, the geographic area of the exhausting NPA shrinks and the geographic area of the NPA with spare capacity expands. Only the customers in the geographic area between the old and new boundaries are directly affected by this change, and number changes are mandatory for customers assigned numbers from NXX codes that are moved to the adjacent NPA. This method applies to multi-NPA states or provinces only. Boundary realignments must follow rate center boundaries. This method is viewed as an interim measure because it tends to provide shorter-term relief than when providing a new NPA code.

6.3 All-Services Overlay Method⁷

An NPA overlay occurs when more than one NPA code serves the same geographic area. In an NPA overlay, code relief is generally provided by opening a new NPA code covering the same geographic area as the NPA(s) requiring relief. NXX codes from this new NPA are assigned on a carrier-neutral basis, i.e., first come, first served. With the overlay method, the FCC requires mandatory 10-digit local dialing between and within the old and new NPAs.⁸ Some states require 1 + 10 digit local dialing and some require 10-digit local dialing and allow 1 + 10 digit local dialing at the SP's discretion.

The overlay method eliminates the need for customer number changes as required under the split and boundary realignment methods. In areas where an overlay is already in place, a subsequent overlay allows the option to eliminate the permissive dialing period as part of implementation. Other potential implementation strategies have been identified for an NPA overlay. They are listed below:

6.3.1 Concentrated Growth Overlay

A concentrated growth overlay may be appropriate where the majority of the new telephone numbers are expected to be concentrated in one section of the existing NPA. For example, a fast growing metropolitan area and a sparsely

⁷ The LNPA Working Group Best Practice 30 supports the all-services overlay as the preferred form of area code relief, and was endorsed by the North American Numbering Council (NANC) on September 18, 2013. See <http://www.nanc-chair.org/docs/documents.html>.

⁸ 47 CFR §52.19 (c) (3) (ii).

populated rural area could exist within the same NPA. The overlay NPA would be assigned initially to the section of the NPA experiencing the fastest growth, and new NXXs in that section would be assigned from the new NPA. As the NXXs allotted to the rural area near exhaust, the overlay boundaries could expand. For this option to be practical there must be a sufficient number of available NXXs to serve the non-overlay area and these must be designated for use only in the non-overlay area. This implies that NANPA must initiate the NPA relief planning process earlier than required if this option is to be feasible. Further, enforcement of mandatory 10-digit dialing within the concentrated overlay or allowance of continued 7-digit dialing outside the concentrated overlay may be difficult for some SPs to manage within a single NPA.

6.3.2 Boundary Elimination Overlay

With a boundary elimination overlay, the NPA requiring relief is adjacent to an NPA with spare capacity. The boundary between these two NPAs is eliminated, and spare NXX codes from the adjacent NPA are assigned within the original NPA boundary where relief is required. An appropriate use of boundary elimination might be in a state or province consisting of two NPAs, where one NPA has spare capacity. This solution has the advantage of not requiring a new NPA code, but it also shares a limitation of boundary realignment because it offers shorter-term relief.

6.3.3 Multiple Overlay

The multiple overlay strategy may be considered where relief is required in two or more NPAs. For example, this solution may be appropriate in a metropolitan area where two or more NPAs cover a small geographic area and where it would be difficult to implement another kind of relief. The new NPA would be assigned to overlay the multiple existing NPAs serving the entire metropolitan area. As another example, a new NPA could be assigned for new growth within an entire state or province where more than one NPA exists.

6.3.4 Technology-specific or Service-Specific Overlay

These overlays occur when a new area code is introduced to serve the same geographic area as one or more existing area code(s) and numbering resources in the new area code overlay are assigned to a specific technology(ies) or service(s). State commissions may not implement a technology-specific or service-specific overlay without express authority from the FCC.⁹ Such overlays are not feasible where local number portability and/or thousands-block pooling have been implemented.

A state commission seeking delegated authority from the FCC to implement a technology-specific or service-specific overlay should discuss why the numbering resource optimization benefits of the proposed overlay would be superior to implementation of an all-services overlay.¹⁰

6.4 Other Relief Methods

A combination of the methods described above may be used. For example, a concentrated growth overlay could be assigned initially to a section of an NPA experiencing fast growth, and as more relief is required, the section served by two NPAs could expand into a distributed or multiple overlays, as demand requires. Other combination of relief methods may be appropriate. Each NPA requiring relief must be analyzed on the basis of its own unique characteristics with regard to demographics, geography, regulatory climate, technological considerations and community needs and requirements.

7. Other Relief Planning Considerations

This section describes miscellaneous considerations that should be included during the NPA relief planning process. It is not possible to identify every potential issue which may arise when planning relief for specific NPAs;

⁹ 47 CFR §52.19 (c) (4). See also criteria outlined in FCC 01-362 ¶¶67-94.

¹⁰ See FCC 01-362 ¶¶ 81-94.

each state or province, each metropolitan area and each industry segment will have unique characteristics which could introduce concerns not included here. The following items are examples of issues which, based on past industry experiences, could create impediments to a successful and efficient implementation effort.

7.1 Regulatory Involvement

Regulatory Involvement - Involvement of the appropriate regulatory authority staff during NPA code relief planning may expedite the process of addressing public policy concerns throughout the process.

7.2 Timing and Schedules

Issues related to timing and scheduling will vary with the type of relief method to be implemented as well as the level of difficulty of the required changes. In general, the relief implementation should be in place six months prior to the projected exhaust of the NPA, but in extraordinary situations, at least three months before the existing NPA would exhaust under the highest growth projections.

7.3 Customer Calling Patterns

Existing and planned local calling areas should be considered during the planning process and retained, wherever practical, along with their existing or planned dialing arrangements. This may prevent regulatory policy delays during implementation and/or unexpected changes to the final plan.

7.4 Rate Center Consolidations

Any pending rate center consolidation plans should be considered during a relief planning meeting. Once a regulator makes a decision on rate center consolidation, the Relief Planner should obtain applicable documentation.

7.5 LNP Technical Considerations

Any technical issues related to LNP should be considered during a relief planning meeting. Since the introduction of LNP, industry experience shows that compliance with LNP requirements is more difficult with some alternatives of NPA relief than others.

7.6 Other Technical Considerations

Any other technical issues should be considered during a relief planning meeting. As telecommunications devices and services become increasingly more complex, industry experience shows that some alternatives of NPA relief are significantly more technically challenging to implement.

8. Updating BIRRDS and LASS

At least six months prior to the start of permissive dialing, NANPA shall provide Telecom Routing Administration (TRA) with updates to the iconectiv Business Integrated Routing and Rating Database System (BIRRDS), and LIDB Access Support System (LASS)⁵ in order for TRA to update the affected records. Notification to the industry should appear six months prior to the start of permissive dialing in the LERG Routing Guide, which is used for message and call setup routing. Ninety calendar days prior to the start of permissive dialing, the updates should appear in

⁵ A recommended checklist of additional activities concerning the exchange of data/information that should be undertaken by NANPA to assist in the smooth implementation of any NPA relief is found in Appendix A.

Annex 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 reprinting of stationery, business cards, advertising, and CPE and other 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)

Annex E

General Attributes of the Most Common Relief Alternatives

Geographic Splits	All-Services Overlays
Splits maintain a single area code for each geographic area. This may minimize confusion for customers outside the area.	With an overlay there will be more than one area code in a geographic area.
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.	An overlay will not require existing customers to change their area code.
Geographic splits permit 7-digit dialing within an area code.	An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.
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.	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.
Future splits will reduce the geographic size of the area code.	An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.

Annex F

Issues to be Considered During NPA Relief Implementation

It is not uncommon to experience customer issues with the introduction of a new area code. It is necessary, therefore, for the Service Providers (SPs) to recognize the potential customer issues that the regulatory commissions, the general public, and the telecommunications industry might experience with the introduction of a new area code, whether it is from a geographic split, an all-services overlay, or other type of area code relief. Since the introduction of a new area code can be such a complex endeavor, examples of potential customer issues and the possible causes that can generate these issues are listed in Tables 1 and 2.

When an SP attempts to address customer issues, certain information is needed, however not always known by the customer. The SP should attempt to get as much of the following information from the customer as possible

- the exact 10 digit number of both the calling and called parties and whether or not a 1010-CIC prefix was added to the called party;
- the local and/or long distance SP of the calling and called parties;
- the location of both parties;
- what type of call was made, e.g., wireless (roaming), wireline, PBX (Private Branch Exchange), PABX (Private Automatic Branch Exchange), VoIP, etc.;
- what the calling party encountered when the call was made.

The following tables provide some examples of situations and the possible causes that customers may encounter with the introduction of a new area code. This list is not inclusive of all situations.

[Note: In the tables below, "N/A" means the specific "situation" is not applicable (i.e., may not occur or if it does occur, it is not related to NPA relief) during the dialing period referenced in the table.]

Table 1: Area Code Split

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
E-911 not working; ANI information not showing at PSAP.	E-911 databases not updated.	NPA specific trunks not installed when using MF signaling.
PSAPs unable to call into new NPA.	The service provider and/or the long distance carrier have not yet opened the new NPA for permissive dialing in its translations tables.	The service provider and/or the long distance carrier have not opened the new NPA in its translations tables and/or NPA specific trunks not installed when using MF signaling.
PSAPs unable to transfer calls to another PSAP using the new NPA.	PSAPs pre-programmed speed dialers not changed to dial the new NPA.	PSAPs pre-programmed speed dialers not changed to dial the new NPA and/or NPA specific trunks not installed when using MF signaling
Customers are not able to receive calls from, or place calls to, numbers that are changing to the new NPA using the old	The service provider and/or the long distance carrier have not yet opened the new NPA for permissive dialing in its translations tables and/or	The service provider and/or the long distance carrier have not opened

ATIS-0300061

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
and/or new NPA; this may be an in-state or out-of-state complaint.	translations tables are not set to accept the old and new NPA.	the new NPA in its translations tables.
Customers using pre-paid calling cards may not be able to complete calls to the new NPA.	The service provider and/or the long distance carrier have not yet opened the new NPA for permissive dialing in its translations tables.	The service provider and/or the long distance carrier have not opened the new NPA in its translations tables.
Caller ID information received by the called party might be confusing during permissive dialing due to the fact that the called party could receive both new or old NPAs.	Consumers may not be aware of the new NPA when it is delivered in the Caller ID information during permissive dialing; this situation will no longer exist after permissive dialing.	This situation will no longer exist.
Directory information has not been updated to reflect the change to the new NPA.	The service provider has not updated the appropriate directory database to reflect the change to the new NPA, however, this does not prevent the calling party from reaching the called party until mandatory dialing begins.	With printed directories, there may be delays in updating such information until the next publication cycle (typically once a year); this situation should not exist with directory assistance or online media.
Calls to ported or pooled numbers may not complete using the new NPA.	A service provider may not have performed the split process in its network elements (STPs/SCPs) or received a broadcast of a ported TN or pooled block in the new NPA.	A service provider may not have received a broadcast of a ported TN or pooled block in the new NPA.
Customer-programmed call forwarding, voicemail-paging, speed dialing features, auto-dialer devices (e.g., alarm company automatic dialers, law enforcement ankle bracelets) do not work.	This situation should not present itself until after permissive dialing; should this situation exist, the customer must reprogram call forwarding, voicemail-paging, and speed dialing features with the new NPA.	The customer must reprogram call forwarding, voicemail-paging, and speed dialing features with the new NPA.
ISDN customer's services do not work (may vary from company to company).	The customer must correctly program their telephone number (SPID) in the ISDN instrument.	The customer must correctly program their telephone number (SPID) in the ISDN instrument.
Calls via any dial-up modems, e.g., personal computers, fax machines, ATMs, etc., to the new NPA do not complete.	The service provider and/or the long distance carrier have not yet opened the new NPA for permissive dialing in their translations tables.	The service provider and/or the long distance carrier have not yet opened the new NPA in their translations tables and/or the customer must update the local dial-up

ATIS-0300061

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
		numbers with the new NPA into the applicable dial-up modems.
Pay-Per-View services don't work (may vary from company to company).	Pay-Per-View companies haven't updated their database.	Pay-Per-View companies haven't updated their database.
Calls to the old number just ring.	N/A	A service provider may not have the appropriate translations to access the recorded announcement.
Calls to the old number reach a recording announcing the new area code instead of being completed.	The service provider may have skipped the permissive dialing and converted to mandatory dialing to the new NPA instead.	N/A
Calls to the old number reach a "not-in-service" recording instead of announcing the new area code.	N/A	A service provider may not have the appropriate translations to access the proper recorded announcement concerning the new NPA.
Calls to the old number are still completing.	N/A	A service provider has not converted to mandatory dialing.
Businesses are missing customer calls that are trying to call them using the new NPA.	The service provider and/or the long distance carrier have not yet opened the new NPA for permissive dialing in its translation tables.	The service provider and/or the long distance carrier have not yet opened the new NPA for mandatory dialing in its translation tables.
Businesses with PBXs/PABXs cannot make calls to the new NPA.	Customers with PBXs/PABXs have not updated their equipment with the new NPA.	Customers with PBXs/PABXs have not updated their equipment with the new NPA.
Businesses want their old numbers back or request to reserve their old numbers.	N/A	All numbers that change during a split cannot be retained or reserved.

Table 2: Area Code Overlay

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
E-911 for new NPA not working.	N/A	NPA specific trunks not installed when using MF signaling.

ATIS-0300061

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
PSAPs unable to call or unable to transfer calls to another PSAP.	N/A	PSAP pre-programmed speed dialers not changed to dial 10-digits and/or NPA specific trunks not installed when using MF signaling.
Customers are not able to make 10-digit calls.	The service provider and/or the long distance carrier have not yet opened 10-digit permissive dialing in their translation tables.	The service provider and/or the long distance carrier have not yet opened 10-digit dialing in their translation tables.
Customers are not able to make local 7-digit calls.	The service provider and/or long distance carrier has skipped permissive dialing and changed to mandatory 10-digit dialing.	N/A
Customers can still make local 7-digit calls.	N/A	The service provider has not yet converted to mandatory 10-digit dialing.
Burglar & Fire Alarms do not work.	N/A	Alarm panel must be reprogrammed for 10-digit dialing.
Secure Entry systems for building access, garage access, etc., do not work.	N/A	Secure Entry system must be reprogrammed for 10-digit dialing.
Utility Automatic Meter Reading (AMR) devices do not work.	N/A	AMR devices must be reprogrammed for 10-digit dialing.
Freeway Call boxes do not work.	N/A	Call boxes must be reprogrammed for 10-digit dialing.
Customer-programmed call forwarding, voicemail-paging, speed dialing features, auto-dialer devices (e.g., alarm company automatic dialers, law enforcement ankle bracelets) do not work.	N/A	The customer must correctly program 10-digits for call forwarding, voicemail-paging and speed dialing features.
ISDN customer's services do not work (may vary from company to company).	N/A	The customer must correctly program their telephone number (SPID) in the ISDN instrument.
Calls via any dial-up modems, e.g., personal computers, fax machines, ATMs, etc., do not complete.	N/A	The customer must reprogram the dial-up modems, e.g., personal computers, fax machines, ATMs, etc., to dial 10-digits.

ATIS-0300061

SITUATION	DURING PERMISSIVE	AFTER PERMISSIVE
Businesses with PBXs/PABXs cannot complete a local 7-digit call.	N/A	Customers with PBXs/PABXs have not updated their equipment for 10-digit dialing.

Relief Planning Meeting Aid

Customer Education and Technical Milestones

This meeting aid is a compilation of industry developed customer education and technical milestones. This list is prepared to assist the participants in choosing the milestones that will be applicable to the specific NPA relief planning project.

Customer Milestones:

			Responsibility
		1 Issue first customer notification (e.g., bill messages, bill inserts, direct mail, text messaging, email)	
		2 Issue initial press release	
		3 Send Special letters to PSAPs and Directory Publishers	
		4 Update social media with information regarding additional overlay	
		5 Update websites with information regarding additional overlay	
		6 Develop language for use in Directories to alert the consumers of 10-digit dialing and the new area code.	
		After Permissive 7 and 10-Digit Dialing Begins	
		7 Issue second customer notification(e.g., bill messages, bill inserts, direct mail, text messaging, email)	
		8 Send Special letters to Alarm and Safety, Directory, Pay Telephone & PSAPs.	
		9 Update social media with information regarding additional overlay	
		10 Update websites with information regarding additional overlay	
		11 Issue second (Mandatory) press release	

Technical Milestones:

Relief Planning Meeting Aid

Customer Education and Technical Milestones

			Responsibility
		1 Obtain industry test code from NANPA and activate the test number.	
		2 Open the test code in carriers' network.	
		3 LERG updates in BIRRDs or via AOCN. (i.e. routing changes, rehomes, change from 7 to 10 terminating digits at end office and at access tandem, etc.	
		4 Ensure Highway boxes are programmed with 10-digit dialing.	
		5 Network ready for Permissive Dialing	
		6 Create Permissive Dialing Industry Contact List	
		Permissive Dialing Begins	
		7 Establish NPA Specific type of Trunks	
		8 Completion of 10-digit signaling transition between carriers' networks	
		9 Require email from service providers when the 10-digit signaling transition between carriers' networks has been completed.	
		10 Update on all speed calling, call forwarding numbers and voicemail options in embedded database to reflect 10-digit dialing	
		11 Recorded announcements in Place and Tested	
		<u>E911 Work Plan</u>	
		12 Confirm new ESN/NPD has been established for the new NPA	
		13 Ensure SRDB table has new NPA built in	
		14 Notify PSAPs, PSALI customers and County Coordinators (1 st and 2 nd Notification)	
		15 Review and Submit CLEC Trunk Order Requests to local provider if needed	
		16 Update PSAP equipment	
		17 Trunk Orders Complete	

Relief Planning Meeting Aid
Customer Education and Technical Milestones

		18 Build E911 Network/Tandem Translations	
		19 Verify if all PSAP work has been completed	
		20 Activate E911 Network/Tandem Translations	

Relief Planning Meeting Aid

Industry Developed Pros and Cons for Relief Alternatives From Recent NPA Relief Planning Meetings

This meeting aid is a compilation of industry developed Pros and Cons and is prepared to assist the participants in evaluating the attributes of the relief alternatives being considered.

Overlay Pros and Cons:

Pros:

Alternative #					
					1 All existing customers would retain the ____ area code and would not have to change their telephone numbers.
					2 Does not discriminate against customers on different sides of a boundary line as does a geographic split
					3 Easier education process
					4 Less customer confusion and easier education process
					5 Less financial impact on business customers because there is no need to change signage, advertising and stationery unless they currently only show 7-digit numbers.
					6 Residential customers do not have to update personal printed material such as checks and websites, etc. unless they currently show 7-digit numbers.
					7 Provides the most efficient distribution of numbering resources by allowing assignments to follow demand not withstanding forecasts for growth
					8 No need for synchronization of old and new NPAs in NPAC databases
					9 Minimizes call routing issues, especially with ported numbers
					10 Easier for service providers to implement from a translations, billing and service order system perspective
					11 Minimal data entries handled in national databases such as BIRRDs, LERG and the Terminating Point Master Table
					12 The PSC/PUC would not have to decide which side gets the new NPA, so no winners and losers.
					13 Does not split cities or counties into different area codes.
					14 Keeps communities of interest in tact.
					15 No impact on some wireless carriers that have to reprogram handsets manually
					16 No technical impacts to number portability, text messaging or multimedia messaging
					17 An all services overlay is simpler to implement from both a technical and customer education perspective and prevents having to educate customers twice.
					18 An all services overlay would have a consistent local dialing

Relief Planning Meeting Aid

Industry Developed Pros and Cons for Relief Alternatives From Recent NPA Relief Planning Meetings

						pattern, as opposed to a concentrated overlay that could have two different types of local dialing in the __ NPA.
						19 Helps move customers toward nationwide 10-digit dialing.

Overlay Pros and Cons:

Cons:

Alternative #						
						1 Consistent with FCC regulations, the relief plan would require 10-digit dialing for all local calls within and between the ____ NPA and the new NPA.
						2 Financial costs to add NPA to signage and printed material where only 7-digit number is shown.
						3 Customers need to reprogram phone systems for 10-digit dialing: faxes, alarms, etc.
						4 Customers would have to reprogram any auto-dialing equipment currently programmed to dial 7-digits to dial 10-digits; equipment such as alarm systems, PSAP dial systems, security gates, PBXs, life safety systems, computer modems, voicemail systems, fax machines, etc.
						5 Loss of geographic identity with an overlay.
						6 Confusion between local and toll calling – 10-d Vs 1+10-d in some states.

Boundary Elimination Overlay Pros and Cons:

Pros:

Alternative #						
						1 Eliminates need to open new NPA
						2 Does not require customers to change their area code.
						3 It is a more efficient use of resources.

Boundary Elimination Overlay Pros and Cons:

Cons:

Alternative #						
						1 Boundary elimination alternatives have shorter lives than the

Relief Planning Meeting Aid

Industry Developed Pros and Cons for Relief Alternatives From Recent NPA Relief Planning Meetings

					all-services overlay
				2	Impacts a larger quantity of customers than the all-services overlay
				3	Requires customers in either ___ or ___ NPAs to dial 10 digits where otherwise they wouldn't be subjected to NPA Relief for another ___ years.
				4	Complex customer education process, which would likely lead to increased customer confusion.



Relief Planning Meeting Aid

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 Credit card, collect, third party	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 (Calls within existing NPA can be dialed using 7 or 10 digits) Mandatory dialing period begins at the end of the Permissive Dialing Period	6 months
First Code Activation after end of Permissive dialing period (Effective date for codes from the new NPA) *	1 month (after Mandatory Dialing Period)
Total Implementation Interval	13 months

*CO codes in the new NPA will not be assigned until all available codes in the existing NPA have been exhausted.

OVERLAY DIALING PLAN MEETING AND IMPLEMENTATION SCHEDULE

(10-digit dialing in place)

EVENT	TIMEFRAME
Customer Education and Network Preparation Period	8 Months
Earliest Activation of CO Codes in the new NPA*	1 Month after the completion of customer education and network preparation period No later than (insert QTR)

*CO codes in the new NPA will not be assigned until all available codes in the Existing NPA have been exhausted.



Relief Planning Meeting Aid

Dialing Plans and Implementation Intervals

OVERLAY DIALING PLAN MEETING AND IMPLEMENTATION SCHEDULE

(10-digit dialing in place)

EVENT	TIMEFRAME
Customer Education and Network Preparation Period Begins	Implementation Start Date selected by the Industry
Customer Education and Network Preparation Period Ends	9 months after the Implementation Start Date selected by the Industry
Earliest Activation of CO Codes in the new NPA*	9 months after the Implementation Start Date selected by the Industry No later than (insert QTR)

**CO codes in the new NPA will not be assigned until all available codes in the existing NPA have been exhausted.*

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 Credit card, collect, third party	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

845 NPA RATE CENTER TABLE

NPA	Abbreviated Rate Center	Rate Center Full Name
845	AMENIA	AMENIA
845	ANDES	ANDES
845	BARRYVILLE	BARRYVILLE
845	BEACON	BEACON
845	BLOOMINGBG	BLOOMINGBURG
845	BREWSTER	BREWSTER
845	CALLICOON	CALLICOON
845	CARMEL	CARMEL
845	CHESTER	CHESTER
845	CIRCLEVL	CIRCLEVILLE
845	CLINTONCOR	CLINTON CORNERS
845	CLINTONDL	CLINTONDALE
845	COLDSPRING	COLD SPRING (PUTNAM)
845	CONGERS	CONGERS
845	CORNWALL	CORNWALL
845	CROTON FLS	CROTON FALLS
845	DENTON	DENTON
845	DOVER PL	DOVER PLAINS
845	ELIZAVILLE	ELIZAVILLE
845	ELLENVILLE	ELLENVILLE
845	ESOPUS	ESOPUS
845	FALLSBURG	FALLSBURG
845	FLEISCHMAS	FLEISCHMANN'S
845	FLORIDA	FLORIDA
845	GARRISON	GARRISON
845	GOSHEN	GOSHEN
845	GRAHAMSVL	GRAHAMSVILLE
845	GREENWD LK	GREENWOOD LAKE
845	HAVERSTRAW	HAVERSTRAW
845	HIGH FALLS	HIGH FALLS
845	HIGHLAND	HIGHLAND
845	HIGHLANDML	HIGHLAND MILLS
845	HIGHLD FLS	HIGHLAND FALLS
845	HOPEWLLJCT	HOPEWELL JUNCTION
845	HYDE PARK	HYDE PARK
845	JEFFERSNVL	JEFFERSONVILLE
845	KERHONKSON	KERHONKSON
845	KINGSTON	KINGSTON
845	LAKELAND	LAKELAND
845	LIBERTY	LIBERTY

845	LIVISTNMNR	LIVINGSTON MANOR
845	LKHUNTIGTN	LAKE HUNTINGTON
845	MAHOPAC	MAHOPAC
845	MARGARETVL	MARGARETVILLE
845	MARLBORO	MARLBORO
845	MAYBROOK	MAYBROOK
845	MIDDLETOWN	MIDDLETOWN
845	MILLBROOK	MILLBROOK
845	MILTON	MILTON
845	MONROE	MONROE
845	MONTGOMERY	MONTGOMERY
845	MONTICELLO	MONTICELLO
845	NANUET	NANUET
845	NARROWSBG	NARROWSBURG
845	NEW CITY	NEW CITY
845	NEW PALTZ	NEW PALTZ
845	NEWBURGH	NEWBURGH
845	NORTHCLOVE	NORTH CLOVE
845	NORTHALEM	NORTH SALEM
845	NYACK	NYACK
845	OTISVILLE	OTISVILLE
845	PATTERSON	PATTERSON
845	PAWLING	PAWLING
845	PEARLRIVER	PEARL RIVER
845	PEEKSKILL	PEEKSKILL
845	PHOENICIA	PHOENICIA
845	PIERMONT	PIERMONT
845	PINE BUSH	PINE BUSH
845	PINEISLAND	PINE ISLAND
845	PLEASATVLY	PLEASANT VALLEY (DUTCHESS)
845	PORTJERVIS	PORT JERVIS
845	POUGHKEPSI	POUGHKEEPSIE
845	RED HOOK	RED HOOK
845	RHINEBECK	RHINEBECK
845	ROSENDALE	ROSENDALE
845	SAUGERTIES	SAUGERTIES
845	SCOTCHTOWN	SCOTCHTOWN
845	SHOKAN	SHOKAN
845	SLATE HILL	SLATE HILL
845	SLOATSBURG	SLOATSBURG
845	SPRING VLY	SPRING VALLEY
845	STAATSBURG	STAATSBURG

845	STANFORDVL	STANFORDVILLE
845	SUFFERN	SUFFERN
845	TIVOLI	TIVOLI
845	TUXEDO	TUXEDO
845	UNIONVILLE	UNIONVILLE (ORANGE)
845	WALDEN	WALDEN
845	WALLKILL	WALLKILL
845	WAPIGRSFLS	WAPPINGERS FALLS
845	WARWICK	WARWICK
845	WASHIGTNVL	WASHINGTONVILLE
845	WHITE LAKE	WHITE LAKE
845	WINGDALE	WINGDALE
845	WOODSTOCK	WOODSTOCK
845	WURTSBORO	WURTSBORO

914 NPA RATE CENTER TABLE

NPA	Abbreviated Rate Center	Rate Center Full Name
914	ARMONK VLG	ARMONK VILLAGE
914	BEDFORDVLG	BEDFORD VILLAGE
914	BIRCHWOOD	BIRCHWOOD
914	CHAPPAQUA	CHAPPAQUA
914	CROTON FLS	CROTON FALLS
914	CRTNONHDSN	CROTON ON HUDSON
914	KATONAH	KATONAH
914	LAKELAND	LAKELAND
914	LEWISBORO	LEWISBORO
914	MAHOPAC	MAHOPAC
914	MOUNTKISCO	MOUNT KISCO
914	MT VERNON	MOUNT VERNON (WESTCHESTER ZONE
914	NORTHTSALEM	NORTH SALEM
914	OSSINING	OSSINING
914	PEEKSKILL	PEEKSKILL
914	PLEASANTVL	PLEASANTVILLE
914	POUNDRIDGE	POUND RIDGE
914	SOUTHTSALEM	SOUTH SALEM
914	WSCHSTZN01	WESTCHESTER ZONE 1
914	WSCHSTZN02	WESTCHESTER ZONE 2
914	WSCHSTZN03	WESTCHESTER ZONE 3
914	WSCHSTZN04	WESTCHESTER ZONE 4
914	WSCHSTZN05	WESTCHESTER ZONE 5
914	WSCHSTZN06	WESTCHESTER ZONE 6
914	WSCHSTZN07	WESTCHESTER ZONE 7
914	WSCHSTZN08	WESTCHESTER ZONE 8
914	WSCHSTZN09	WESTCHESTER ZONE 9
914	YORKTN HTS	YORKTOWN HEIGHTS

845 NPA CODE HOLDER TABLE

Company	OCN	CountOfNXX
AIRUS, INC. - NY	363H	1
ALTEVA OF WARWICK LLC	0135	5
AMERICAN MESSAGING SERVICES, LLC	9748	5
AMERICAN NETWORK, INC.	8667	2
AT&T - LOCAL	7421	8
BALTIMORE-WASHINGTON TELEPHONE COMPANY - NY	782G	1
BANDWIDTH.COM CLEC, LLC - NY	997E	20
BARR TELL USA, INC. - NY	525G	1
BRIGHTLINK COMMUNICATIONS, LLC	478J	1
BRIGHTLINK COMMUNICATIONS, LLC	551G	1
BROADVIEW NETWORKS, INC. - NY	4593	3
CABLEVISION LIGHTPATH, INC. - NY	7126	27
CATSKILLS COMMUNICATIONS, INC - NY	360H	3
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - NY	6959	63
CENTURYLINK COMMUNICATIONS, LLC	508J	5
CHOICE ONE COMMUNICATIONS, INC. - NY	4107	4
CITIZENS TELECOMM CO OF NY DBA FRONTIER COMM OF NY	0096	30
COMCAST IP PHONE, LLC	318J	4
COMMIO, LLC	939H	1
CONVERSENT COMMUNICATIONS OF NEW YORK, LLC - NY	3724	1
CORETEL NEW YORK, INC. - NY	1215	11
CSC WIRELESS, LLC	425J	1
DIAL-A-BEEPER, INC.	6871	1
EMPIRE ONE TELECOMMUNICATIONS, INC. - NY	009B	1
EXIANT COMMUNICATIONS LLC	114J	1
FRACTEL, LLC	965H	2
FRONTIER COMMUNICATIONS OF AMERICA, INC. - NY	2475	7
FRONTIER COMMUNICATIONS OF NEW YORK, INC.	0100	20
FRONTIER COMMUNICATIONS OF SYLVAN LAKE, INC.	0128	5
GLOBAL CROSSING LOCAL SERVICES, INC. - NY	7343	8
HD CARRIER LLC	321J	3
INTRADO COMMUNICATIONS, LLC	831C	1
IP HORIZON LLC	515J	1
LEVEL 3 COMMUNICATIONS, LLC - NY	4006	40
LOCAL ACCESS LLC - NY	051H	3
LTE WIRELESS INC D/B/A LTE WIRELESS - NY	452J	2
MAGNA5 LLC - NY	8249	1
MARGARETVILLE TEL. CO., INC.	0104	2
MCIMETRO ACCESS TRANSMISSION SERVICES LLC - NY	7133	7
MCIMETRO ACCESS TRANSMISSION SERVICES LLC - NY	7650	6
MOSAIC NETWORKX LLC - NY	278G	1
NEW CINGULAR WIRELESS PCS, LLC - DC	4036	43
OMNIPOINT COMMUNICATIONS, INC. - NY	6622	19
ONVOY SPECTRUM, LLC	624H	1

845 NPA CODE HOLDER TABLE

ONVOY, LLC- NY	384C	32
PAETEC COMMUNICATIONS, INC. - NY	4152	23
PEERING HUB, INC. - NY	818H	3
PEERLESS NETWORK OF NEW YORK, LLC - NY	155E	10
RADIANTIQ LLC	566J	6
RCN TELECOM SERVICES, INC. - NY	7353	2
SCARSDALE SECURITY SYSTEMS, INC.	2612	1
SPRINT SPECTRUM, L.P.	6664	33
TC SYSTEMS, INC. - NY	7140	8
TELENGY L.L.C. - NY	473G	1
TELNYX LLC	073H	4
TERRA NOVA TELECOM INC.	145J	1
TIME WARNER CABLE INFO SVCE (NEW YORK) LLC-NY	532D	16
T-MOBILE USA, INC.	5562	6
TON80 COMMUNICATIONS, LLC	516J	1
TVC ALBANY, INC. DBA FIRSTLIGHT FIBER	7989	2
TWILIO INTERNATIONAL, INC.	506J	7
UCOMTEL INC.	534J	2
USA MOBILITY WIRELESS, INC.	6630	8
VERIZON NEW YORK, INC.	9104	158
VITCOM LLC - NY	219E	1
VONAGE AMERICA LLC	197D	1
WARWICK VALLEY TELEPHONE COMPANY	4967	5
WARWICK VALLEY TELEPHONE COMPANY - NY	4140	2
XCHANGE TELECOM CORP. - NY	325B	1
XO NEW YORK, INC.	8340	7
YMAX COMMUNICATIONS CORP. - NY	282E	2

Thousands-Block Holders not Assigned CO Codes

NPA Complex	OCN	Company
845	1376	EUREKA TELECOM, INC. DBA EUREKA NETWORKS - NY
845	3864	CTC COMMUNICATIONS CORP. - NY
845	423G	VOXBEAM TELECOMMUNICATIONS INC. - NY
845	705G	WIDE VOICE, LLC - NY
845	8473	LEVEL 3 TELECOM OF NEW YORK, LP - NY
845	8526	METROPOLITAN TELECOMMUNICATIONS - NY
845	892E	MAGNA5 LLC - NY

914 NPA CODE HOLDER TABLE

Company	OCN	CountOfNXX
AIRUS, INC. - NY	363H	1
AMERICAN MESSAGING SERVICES, LLC	9748	2
AMERICAN NETWORK, INC.	8667	5
AQUIS COMMUNICATIONS, INC.	6919	1
AT&T - LOCAL	7421	11
BANDWIDTH.COM CLEC, LLC - NY	997E	9
BARR TELL USA, INC. - NY	525G	1
BROADVIEW NETWORKS, INC. - NY	4593	8
CABLEVISION LIGHTPATH, INC. - NY	7126	23
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - NY	6959	71
CONVERSENT COMMUNICATIONS OF NEW YORK, LLC - NY	3724	4
CSC WIRELESS, LLC	425J	1
CTC COMMUNICATIONS CORP. - NY	3864	1
EAGLE COMMUNICATIONS, INC. NY	4274	1
EUREKA TELECOM, INC. DBA EUREKA NETWORKS - NY	1376	1
FRACTEL, LLC	965H	13
GLOBAL CROSSING LOCAL SERVICES, INC. - NY	7343	9
LEVEL 3 COMMUNICATIONS, LLC - NY	4006	27
LEVEL 3 TELECOM OF NEW YORK, LP - NY	8473	1
LOCAL ACCESS LLC - NY	051H	1
LTE WIRELESS INC D/B/A LTE WIRELESS - NY	452J	1
MCIMETRO ACCESS TRANSMISSION SERVICES LLC	7229	2
MCIMETRO ACCESS TRANSMISSION SERVICES LLC - NY	7133	11
MCIMETRO ACCESS TRANSMISSION SERVICES LLC - NY	7650	19
METROPCS, INC.	5562	4
NEW CINGULAR WIRELESS PCS, LLC - DC	4036	49
OMNIPOINT COMMUNICATIONS, INC. - NY	6622	23
ONVOY SPECTRUM, LLC	624H	4
ONVOY, LLC- NY	384C	19
PAETEC COMMUNICATIONS, INC. - NY	4152	4
PEERLESS NETWORK OF NEW YORK, LLC - NY	155E	7
RADIANTIQ LLC	566J	3
RCN TELECOM SERVICES, INC. - NY	7353	2
SCARSDALE SECURITY SYSTEMS, INC.	2612	1
SPRINT SPECTRUM, L.P.	6664	46
SUPERIOR COMMUNICATIONS TECHNOLOGY CORP.	6830	1
TC SYSTEMS, INC. - NY	7140	21
TELENGY L.L.C. - NY	473G	2
TELNYX LLC	073H	2
TIME WARNER CABLE INFO SVCE (NEW YORK) LLC-NY	532D	2
TWILIO INTERNATIONAL, INC.	506J	2
UCOMTEL INC.	534J	7
USA MOBILITY WIRELESS, INC.	6630	18
VERIZON NEW YORK, INC.	9104	182

914 NPA CODE HOLDER TABLE

VONAGE AMERICA LLC	197D	1
VOXBEAM TELECOMMUNICATIONS INC. - NY	423G	1
XO NEW YORK, INC.	8340	26
YMAX COMMUNICATIONS CORP. - NY	282E	1
ZCALL.COM, INC.	0059	1

Thousand-Block Holders not Assigned CO Codes

NPA Complex	OCN	Company
914	009B	EMPIRE ONE TELECOMMUNICATIONS, INC. - NY
914	050H	GETGO COMMUNICATIONS LLC - NY
914	1215	CORETEL NEW YORK, INC. - NY
914	145J	TERRA NOVA TELECOM INC.
914	278G	MOSAIC NETWORKX LLC - NY
914	318J	COMCAST IP PHONE, LLC
914	321J	HD CARRIER LLC
914	325B	XCHANGE TELECOM CORP. - NY
914	3746	US LEC COMMUNICATIONS, INC. - NY
914	4967	WARWICK VALLEY TELEPHONE COMPANY
914	508J	CENTURYLINK COMMUNICATIONS, LLC
914	515J	IP HORIZON LLC
914	553J	WHITESKY COMMUNICATIONS, LLC
914	705G	WIDE VOICE, LLC - NY
914	818H	PEERING HUB, INC. - NY
914	831C	INTRADO COMMUNICATIONS, LLC
914	8526	METROPOLITAN TELECOMMUNICATIONS - NY
914	892E	MAGNA5 LLC - NY

New York 845 NPA and 914 NPACO Code Summary

<u>NPA</u>	<u>845</u>	<u>914</u>		
Assigned NXXs	723	653		
Protected NXXs	0	0		
Reserved NXXs	0	0		
Unavailable NXXs	21	39		
Available NXXs	56	108		
Total	800	800		
<u>Code Assignment History</u>				
2016	17	6		
2017	8	6		
2018	13	8		
2019	18	8		
2020	31	11		
2021	33*	29*		
*As of September 30, 2021				
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).				

THOUSANDS-BLOCK STATISTICS	
<i>Provided By: Cecilia McCabe</i>	
ST/NPA:	NY 845
MEETING DATE:	10/28/21
POOL START DATE (PSD)	4/30/01
RATE CENTERS	
# Total	96
# Mandatory	96
# Mandatory-Single Service Providers (M*)	0
# Optional	0
# Excluded	0
BLOCKS ASSIGNED	
# Total	562
<i>(For time period 10/01/20 - 9/21/21)</i>	
BLOCKS AVAILABLE	
#Total	509
<i>(As of preparation date: 9/21/21)</i>	
CODES ASSIGNED	
# Total	37
# for Pool Replenishment	30
# for Dedicated Customers	1
# for LRNs	6
<i>(For time period 10/01/20 - 9/21/21)</i>	
CODES FORECASTED	
# Total	28
# for Pool Replenishment and Dedicated Customers	26
# for LRNs	2
<i>(For the next twelve months as of: 9/21/21)</i>	

THOUSANDS-BLOCK STATISTICS	
<i>Provided By: Cecilia McCabe</i>	
ST/NPA:	NY 914
MEETING DATE:	10/28/21
POOL START DATE (PSD)	4/30/01
RATE CENTERS	
# Total	28
# Mandatory	28
# Mandatory-Single Service Providers (M*)	0
# Optional	0
# Excluded	0
BLOCKS ASSIGNED	
# Total	321
<i>(For time period 10/01/20 - 9/21/21)</i>	
BLOCKS AVAILABLE	
#Total	190
<i>(As of preparation date: 9/21/21)</i>	
CODES ASSIGNED	
# Total	31
# for Pool Replenishment	30
# for Dedicated Customers	0
# for LRNs	1
<i>(For time period 10/01/20 - 9/21/21)</i>	
CODES FORECASTED	
# Total	4
# for Pool Replenishment and Dedicated Customers	4
# for LRNs	0
<i>(For the next twelve months as of: 9/21/21)</i>	

Initial Planning Document
For
Relief of New York 845 NPA

October 28, 2021

North American Numbering Plan Administrator

Heidi A. Wayman
Manager, Data Management

845 NPA Background Information

Relief Planning Background and Assumptions:

The 845 NPA has been in service since June 5, 2000. In 1999, the 914 NPA was nearing exhaust and the New York Public Service Commission (Commission) approved a geographic split of the 914 NPA and the 845 NPA was introduced. The 845 NPA serves Orange, Putnam, Rockland, Ulster counties, as well as parts of Columbia, Delaware, Dutchess, Greene, and Sullivan counties. The geographic split ordered by the Commission runs along the county boundary dividing Westchester County from Putnam and Rockland counties. The split line does not follow traditional rate center boundaries and five rate centers (Peekskill, Lakeland, Mahopac, Croton Falls, and North Salem) were bisected. Consequently, assigned 914 NPA CO codes serving these rate centers were duplicated in the 845 NPA.

The 845 NPA is in the southeastern portion of New York. The 845 NPA is bordered on the north by the 518/838 NPA overlay, to the northeast by the 607 NPA, to the south by the 914 NPA and the New Jersey 201/551 NPA overlay, to the east by Connecticut 860/959 and 203/475 NPAs, and to the southwest by the New Jersey 862/973 NPA overlay and the Pennsylvania 272/570 NPA overlay.

CO Code Summary:

As of September 30, 2021, the 845 NPA has 723 codes assigned, 56 codes available for assignment and 21 unassignable codes. There are a total of 78 service providers: 71 service providers that are code holders and 7 thousands-block holders that are not code holders. There are 28 grandfathered codes from the 914-845 split: 5 grandfathered CO codes in the Kingston rate center, 4 in the Middletown rate center, 3 in the Monticello rate center, 1 in the Nanuet rate center, 5 in the Newburgh rate center, 8 in the Poughkeepsie rate center and 2 in the Spring Valley rate center.

As of September 30, 2021, the 914 NPA has 653 codes assigned, 108 codes available for assignment and 39 unassignable codes. There are a total of 67 service providers: 49 service providers that are code holders and 18 thousands-block holders that are not code holders.

Exhaust Forecast:

The April 2021 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis ("2021 NRUF Report"), published by NANPA, indicates the projected exhaust date of the 845 NPA is the third quarter of 2024 and the 914 NPA projected exhaust date is first quarter of 2031.

CURRENT DIALING PLAN:

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA)	7 digits (NXX-XXXX)
	Foreign NPA (FNPA)	1+10 digits (1+NPA-NXX-XXXX)
Toll Call	Home NPA (HNPA)	7 digits (NXX-XXXX)
	Foreign NPA (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)

DIALING PLAN TRANSITION FOR 988 IMPLEMENTATION:

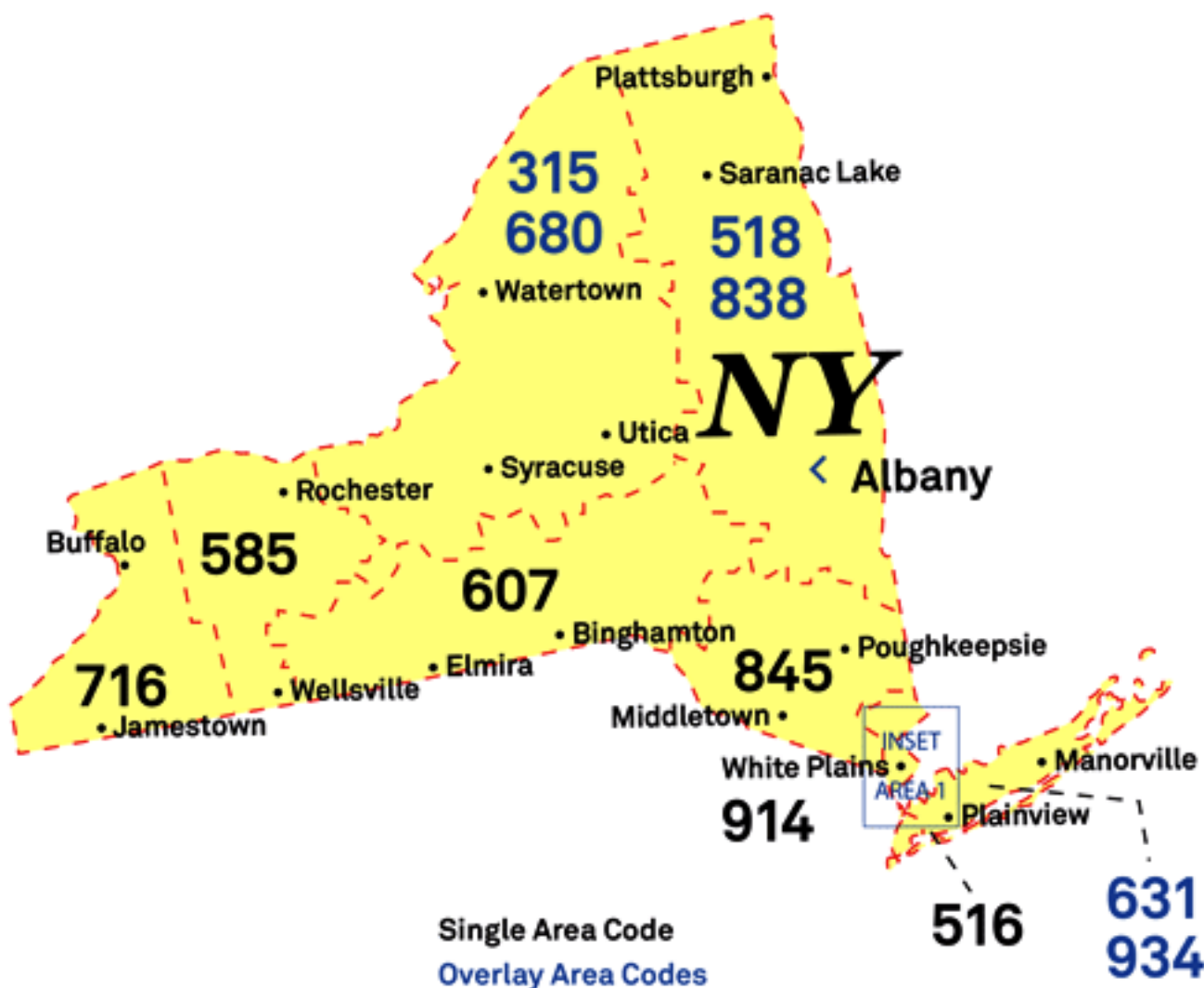
Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) Foreign NPA (FNPA) (including Extended Area Service (EAS) calls)	10 digits (NPA-NXX-XXXX)*
Toll Call	HNPA or FNPA	1+10 digits (1+NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0+10 digits (0+NPA-NXX-XXXX)

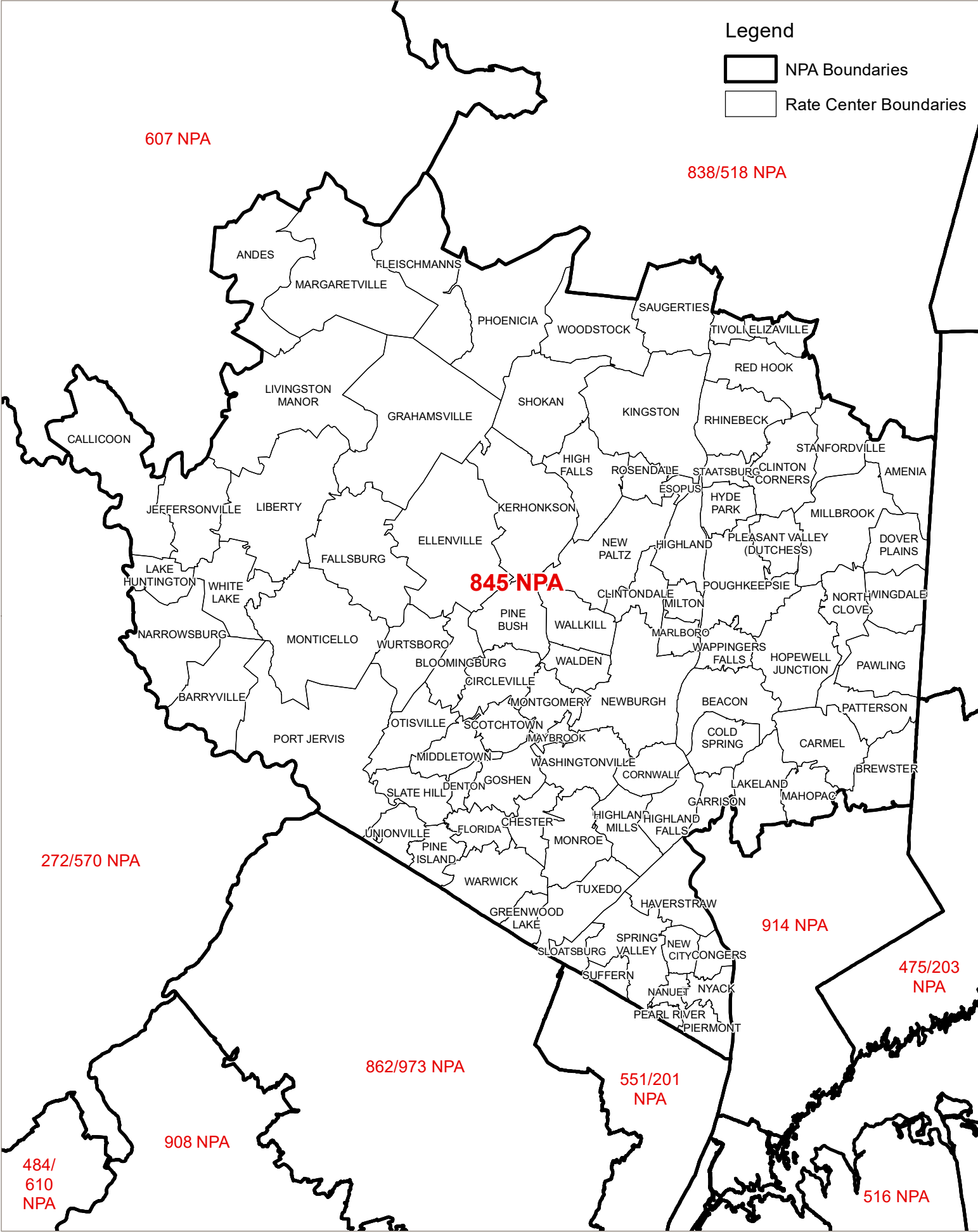
1+10 digit permissible at each service provider's discretion

GRANDFATHERED CO CODES

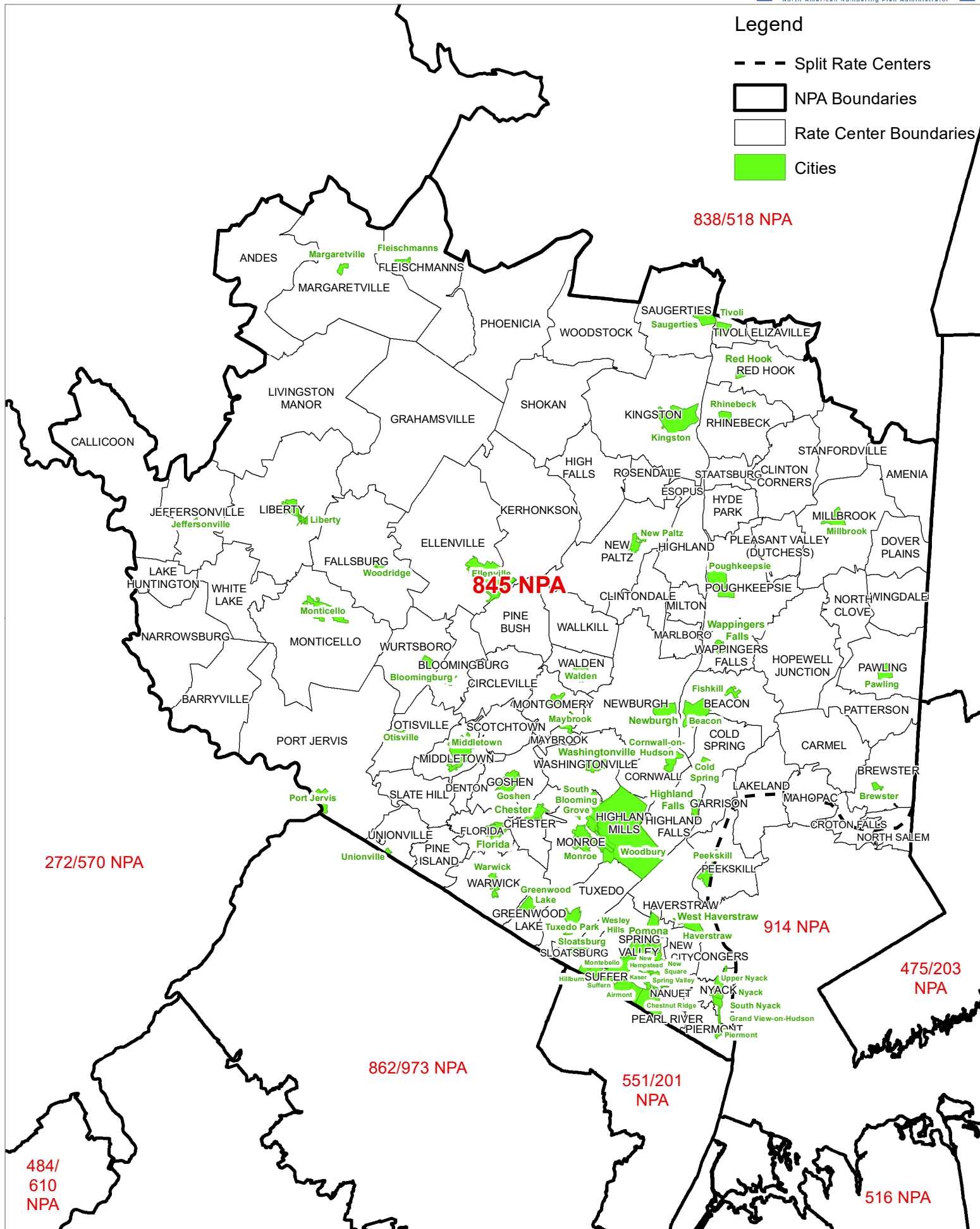
STATE	NPA	NXX	RATE CENTER ABBREVIATION
NY	914	388	KINGSTON
NY	914	389	KINGSTON
NY	914	399	KINGSTON
NY	914	466	KINGSTON
NY	914	706	KINGSTON
NY	914	283	MIDDLETOWN
NY	914	443	MIDDLETOWN
NY	914	850	MIDDLETOWN
NY	914	978	MIDDLETOWN
NY	914	797	MONTICELLO
NY	914	799	MONTICELLO
NY	914	866	MONTICELLO
NY	914	527	NANUET
NY	914	213	NEWBURGH
NY	914	541	NEWBURGH
NY	914	542	NEWBURGH
NY	914	755	NEWBURGH
NY	914	805	NEWBURGH
NY	914	204	POUGHKEPSI
NY	914	453	POUGHKEPSI

NY	914	456	POUGHKEPSI
NY	914	464	POUGHKEPSI
NY	914	474	POUGHKEPSI
NY	914	475	POUGHKEPSI
NY	914	489	POUGHKEPSI
NY	914	503	POUGHKEPSI
NY	914	264	SPRING VLY
NY	914	906	SPRING VLY





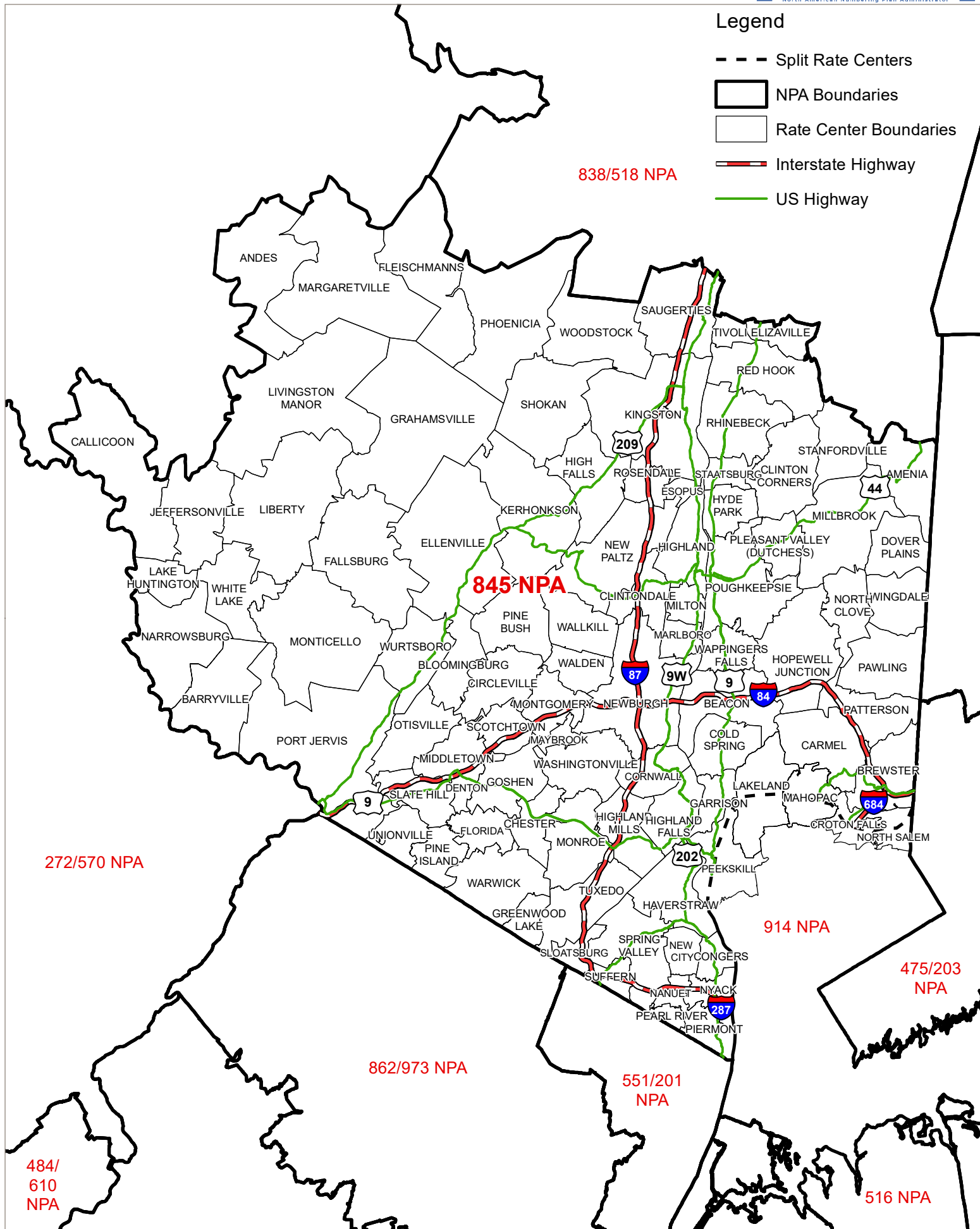
NANPA
North American Numbering Plan Administrator



NANPA
North American Numbering Plan Administrator



NANPA
North American Numbering Plan Administrator



845 NPA - RELIEF ALTERNATIVES

New York

Numbering Plan Area Born on Date: June 5, 2000

NPA RELIEF PLANING TOOL ASSUMPTIONS

NRUF DATE..... April 2021
PROJECTED EXHAUST DATE.....3Q2024
ANNUALIZED CODE DEMAND PROJECTION.....19
MONTHLY CO CODE DEMAND PROJECTION.....1.6
NXX Assignment data September 1, 2021

CURRENT DIALING PLAN

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA)	7 digits (NXX-XXX)
	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)

TRANSITION to 10-DIGIT DIALING for 988 as 3-DIGIT ACCESS to NATIONAL SUICIDE PREVENTION LIFELINE

Per NANPA Planning Letter PL-556, on July 16, 2020, the FCC adopted an Order (FCC 20-100) approving the designation of 988 as the 3-digit abbreviated dialing code for the national suicide prevention and mental health crisis hotline, requiring all telecommunications carriers, interconnected Voice over Internet Protocol (VoIP) providers, and one-way VoIP providers (covered providers) to make any network changes necessary to ensure that users can dial 988 to reach the existing National Suicide Prevention Lifeline: 1-800-273-8255 / 1-800-273 (TALK) by July 16, 2022.¹ The Order requires covered providers to implement mandatory 10-digit local dialing in NPAs that use both 7-digit local dialing and 988 as an NXX. The 845 and 914 NPAs are included in the requirements of this FCC order.

ACTION	TIME	DATE
Start of Network Preparation and Customer Education		July 16, 2020 (This starts the 9.5-month period prior to permissive dialing effective date for carriers to implement permissive 10-digit dialing in their networks and start educating customers about the upcoming dates.)

Start of permissive 10-digit dialing (“permissive 10-digit dialing effective date”)	12:01 am local time	April 24, 2021 (This is the date communicated to customers as the “permissive dialing date” and starts the <i>6-month</i> period where customers start practicing dialing 10 digits and reprogram CPE as needed; this is typically a 6-month period in an overlay implementation.)
End of permissive dialing and start of mandatory 10-digit dialing (“mandatory 10-digit dialing effective date”)	12:01 am local time	October 24, 2021 (This is the date communicated to customers as the “mandatory dialing date” and starts the <i>8.5-month</i> period where carriers can start enforcing mandatory 10-digit dialing through their carrier-specific rolling cut schedule. This is not a flash cut.)
End of mandatory 10-digit enforcement implementation	12:01 am local time	July 15, 2022 (This is the deadline by which carriers must have completed their rolling cuts to enforce mandatory 10-digit dialing.)
Covered providers shall transmit all calls initiated by an end user dialing 988 to the current toll-free access number for the National Suicide Prevention Lifeline, presently 1-800-273-8255 (TALK)	12:01 am local time	July 16, 2022

During the permissive dialing period, subscribers may dial local calls on either a 7-digit or 10-digit basis but will be encouraged to dial 10 digits. After the permissive dialing period ends, all calls should be dialed using 10 digits. Carriers are strongly encouraged to prepare their switches to begin signaling 10 digits prior to the mandatory 10-digit dialing effective date for customers.

Coincident with the mandatory 10-digit dialing effective date on **October 24, 2021**, the dialing plan will be as follows, unless the state/NPA has a different dialing plan.

OVERLAY DIALING PLAN

Type of Call	Call Terminating in	Dialing Plan
Local Call	Home NPA (HNPA) Foreign NPA (FNPA) (including Extended Area Service (EAS) calls)	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)

1+10 digit permissible at each service provider’s discretion

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 845 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. CO codes in the overlay NPA will be assigned upon request with the effective date of the new NPA. At exhaust of the 845 NPA all future CO code assignments will be made in the overlay NPA. The projected life would be:

Total CO Codes = 741
Total Rate Centers = 96
Area Code Life in Years = 29 years

ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY and NEW OVERLAY NPA

The boundary between the existing 845 and 914 NPA codes would be eliminated and the 845 and 914 NPAs would be assigned to the same geographic areas occupied by the existing 845 and 914 NPAs. The 845 NPA and 914 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 845 and 914 NPAs affected area would be required. Available central office codes in the 845 NPA will be assigned upon request in the 914 NPA area with the effective date of the new area code boundary and available 914 NPA central office codes could be assigned upon request in the 845 NPA area. At the same time as the boundary elimination a new NPA would be assigned to the entire 845 and 914 NPA geographic area. Eliminating the boundary between the 845 and 914 NPAs would have a combined life of 20 years and would save one NPA since relief will be needed in the 914 NPA in the imminent future. This relief alternative reunites the 845 and 914 NPAs that were split in 2000, would allow for the full utilization of the 28 grandfathered CO codes, and would put five bisected rate centers back together.

845 NPA
Total CO Codes = 741
Total Rate Centers = 96

914 NPA
Total CO Codes = 692
Total Rate Centers = 28

Combined Area Code Life in Years = 20 years

GEOGRAPHIC SPLIT ALTERNATIVE

Per Section 5.6.3 of the NPA Code Relief Planning & Notification Guidelines (ATIS-0300061) an overlay is the only relief option of the 845 NPA.

Where NPA relief is required for a single NPA area that is scheduled to transition to 10-digit dialing or has already transitioned to 10-digit dialing, then the Initial

Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.

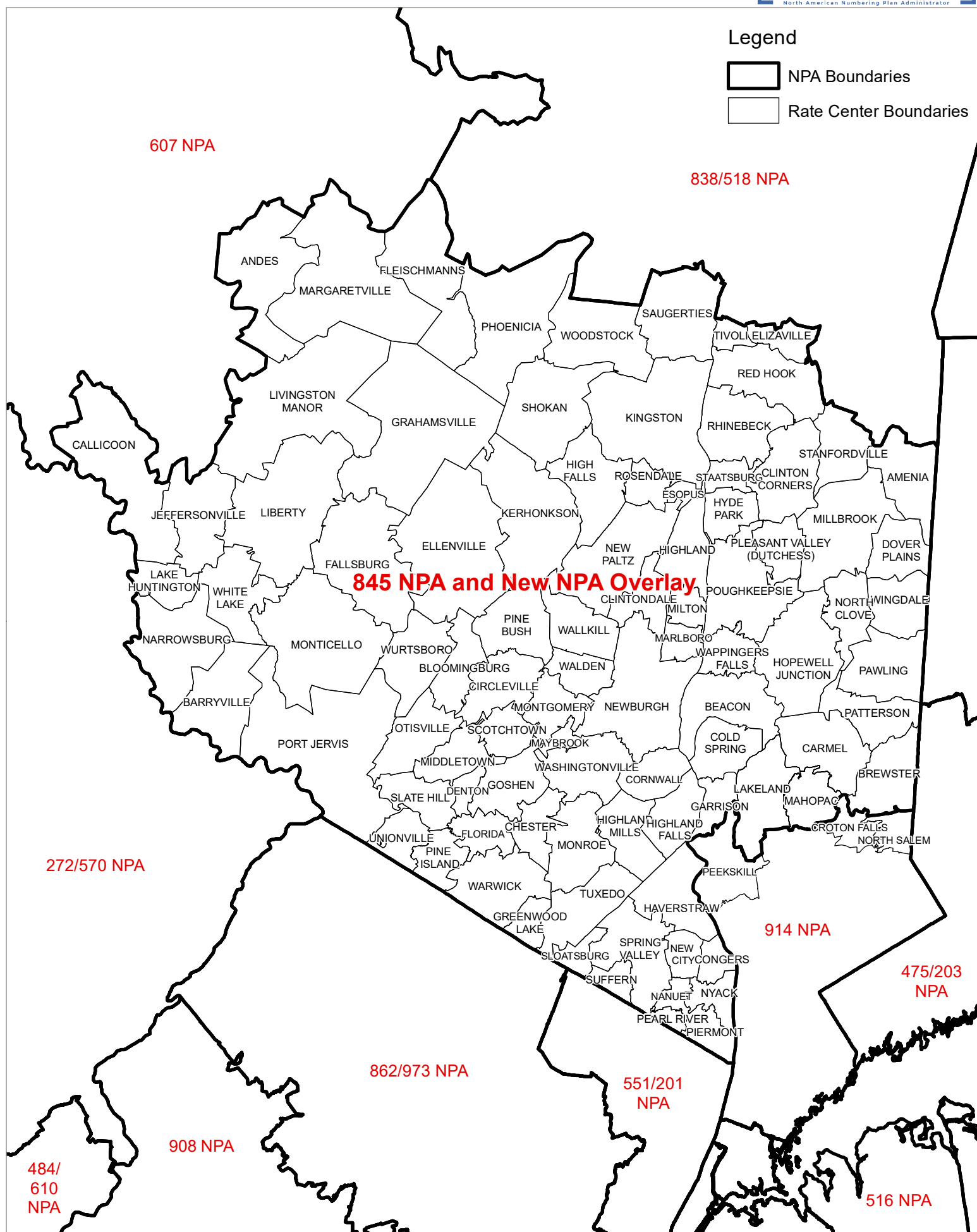




EXHIBIT B



November 12, 2021

To: All 845 NPA Code Holders and Interested Industry Members (New York)

Subject: Final Minutes of the Initial Relief Planning Meeting for the 845 NPA

Attached are the final minutes from the October 28, 2021 initial relief planning meeting to review the Initial Planning Document for the New York 845 NPA. These minutes became final on November 11, 2021. The draft petition will be posted to the NAS-NANP Notification System (NAS-NNS) no later than November 15. NANPA will convene an industry meeting on November 22 at 11 am ET so the industry can reach consensus on the petition which will be filed with the New York Public Service Commission.

If you have any questions, please give me a call at (571) 363-3824 or via email at hwayman@nanpa.com.

Sincerely,

Heidi A. Wayman
Manager, Data Management
NANPA

cc: Lauriann Mullen – NY DPS

**NEW YORK 845 NPA
Initial Relief Planning Meeting
Via Web Conference
Final Minutes
October 28, 2021**

WELCOME, INTRODUCTIONS & AGENDA REVIEW

Heidi Wayman, Manager, Data Management, North American Numbering Plan Administrator (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 role 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 Numbering Plan Area (NPA). Based on the April 2021 Numbering Resource Utilization/Forecast (NRUF) and NPA Exhaust Analysis, the projected exhaust for the 845 NPA was third quarter of 2024 (3Q2024). This data was reviewed in October and the exhaust date remains 3Q2024.
- Distribute the notice with the Initial Planning Document (IPD) at least four weeks prior to the initial relief planning meeting which was completed on September 30, 2021.
- Then, the main objective is achieved by reaching consensus on the petition for relief to be filed with the New York Public Service Commission (Commission).
- Also determine any additional items to include in a filing such as dialing plan, implementation intervals and comply with any state specific requirements.
- Then NANPA is charged with the responsibility of filing a relief petition, on behalf of the industry, with the Commission. 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 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, she 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.

An overlay is the only option for relief of the 845 NPA, per Section 5.6.3 of the Industry Numbering Committee's NPA Code Relief Planning and Notifications Guidelines (ATIS-0300061; "the Guidelines") which state:

Where NPA relief is required for a single NPA area and NANPA has determined that only an overlay alternative will meet the guidelines, or the NPA is scheduled to transition

to 10-digit dialing or has already transitioned to 10-digit dialing, then the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.

Heidi also reviewed Section 7.2 of the Guidelines which state:

Issues related to timing and scheduling will vary with the type of relief method to be implemented as well as the level of difficulty of the required changes. In general, the relief implementation should be in place six months prior to the projected exhaust of the NPA, but in extraordinary situations, at least three months before the existing NPA would exhaust under the highest growth projections.

Included in the meeting notice are sections of the Guidelines pertaining to relief planning, and Heidi stated the Guidelines could be found on the ATIS web site www.atis.org.

Heidi also reviewed:

- Map of all New York NPAs
- NPA 845 Rate Center Map
- NPA 845 Rate Center Map with Cities
- NPA 845 Rate Center Map with Counties
- NPA 845 Rate Center Map with Highways
- Rate Center Table for the 845 NPA
- Rate Center Table for the 914 NPA
- 845 NPA Code Holder Table
- 914 NPA Code Holder Table

NPA STATUS

Exhaust Forecast: The October 2021 NRUF and NPA Exhaust Analysis projects the exhaust of the 845 NPA during the third quarter of 2024 (3Q2024).

As of October 27, 2021, the 845 NPA has 725 central office (CO) codes assigned, 54 CO codes available for assignment, and 21 unavailable CO codes. Additionally, there are 28 CO codes that are grandfathered from the 914-845 NPA split: five (5) CO codes in the Kingston rate center, four (4) CO codes in the Middletown rate center, three (3) CO code in Monticello rate center, one (1) CO code in the Nanuet rate center, five (5) CO codes in the Newburgh rate center, eight (8) CO codes in the Poughkeepsie rate center and two (2) CO codes in the Spring Valley rate center. There are 78 total service providers: 71 CO code holders and seven (7) OCNs that only have thousands-blocks.

As of October 27, 2021, the 914 NPA has 656 CO codes assigned, 105 CO codes available for assignment, and 39 unavailable CO codes. There are 67 total service providers: 49 CO code holders and 18 OCNs that only have thousands-blocks. The October 2021 NRUF and NPA Exhaust Analysis projects the exhaust of the 914 NPA during the first quarter of 2027 (1Q2027). (See

Attachment #2)

THOUSANDS-BLOCK INFORMATION

Heidi reported that in the 845 NPA pooling commenced on April 30, 2001, there are 96 rate centers, and all 96 rate centers are mandatory for pooling. In the period of November 1, 2020 to October 27, 2021, 578 blocks have been assigned and as of October 27 there are 510 blocks available for assignment to service providers. Pooling has assigned 39 codes in the same period, 32 for pool replenishment, one (1) for a dedicated customer and six (6) for LRNs. The central office code forecast for the next twelve months is 28 codes for pool replenishment and dedicated customers.

Heidi reported that in the 914 NPA pooling commenced on April 30, 2001, there are 28 rate centers, and all 28 rate centers are mandatory for pooling. In the period of November 1, 2020 to October 27, 2021, 363 blocks have been assigned and as of October 27 there are 176 blocks available for assignment to service providers. Pooling has assigned 33 codes in the same period, 32 for pool replenishment and one (1) LRN. The central office code forecast for the next twelve months is eight (8) codes for pool replenishment and dedicated customers. (Attachment #3)

RELIEF PLANNING BACKGROUND AND ASSUMPTIONS

The 845 NPA has been in service since June 5, 2000. In 1999, the 914 NPA was nearing exhaust and Commission approved a geographic split of the 914 NPA and the 845 NPA was introduced. The 845 NPA serves counties including all or parts of Orange, Putnam, Rockland, Ulster, Columbia, Delaware, Dutchess, Greene, and Sullivan. The geographic split ordered by the Commission runs along the county boundary dividing Westchester County from Putnam and Rockland counties. The split line does not follow traditional rate center boundaries and five rate centers (Peekskill, Lakeland, Mahopac, Croton Falls, and North Salem) were bisected. Consequently, assigned 914 NPA CO codes serving these rate centers were duplicated in the 845 NPA.

The 845 NPA is in the southeastern portion of New York. The 845 NPA is bordered on the north by the 518/838 NPA overlay, to the northeast by the 607 NPA, to the south by the 914 NPA and the New Jersey 201/551 NPA overlay, to the east by Connecticut 860/959 and 203/475 NPAs, and to the southwest by the New Jersey 862/973 NPA overlay and the Pennsylvania 272/570 NPA overlay.

REVIEW OF RELIEF PLANNING ALTERNATIVES

Heidi stated that after posting the IPD in September, the October 2021 NRUF and NPA Exhaust Analysis data was made available. Heidi reviewed and revised the projected lives of each relief alternative below to accommodate the change in the 914 NPA projected exhaust date and changes in CO code assignments.

ALTERNATIVE #1 – ALL - SERVICES DISTRIBUTED OVERLAY

A new NPA code would be assigned to the same geographic area occupied by the existing 845 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. CO codes in the

overlay NPA will be assigned upon request with the effective date of the new NPA. At exhaust of the 845 NPA all future CO code assignments will be made in the overlay NPA. The projected life would be:

Total CO Codes = 746
Total Rate Centers = 96
Area Code Life in Years = 28 years

ALTERNATIVE #2 - NPA BOUNDARY ELIMINATION OVERLAY and NEW OVERLAY NPA

The boundary between the existing 845 and 914 NPA codes would be eliminated and the 845 and 914 NPAs would be assigned to the same geographic areas occupied by the existing 845 and 914 NPAs. The 845 NPA and 914 NPA customers would retain their current telephone numbers; however, ten-digit dialing for all calls by all customers within and between the 845 and 914 NPAs affected area would be required. Available central office codes in the 845 NPA will be assigned upon request in the 914 NPA area with the effective date of the new area code boundary and available 914 NPA central office codes could be assigned upon request in the 845 NPA area. At the same time as the boundary elimination a new NPA would be assigned to the entire 845 and 914 NPA geographic area. Eliminating the boundary between the 845 and 914 NPAs and adding a new NPA would have a combined life of 19 years and would save one NPA since relief will be needed in the 914 NPA in the imminent future. This relief alternative reunites the 845 and 914 NPAs that were split in 2000, would allow for the full utilization of the 28 grandfathered CO codes, and would put five bisected rate centers back together.

845 NPA
Total CO Codes = 746
Total Rate Centers = 96

914 NPA
Total CO Codes = 695
Total Rate Centers = 28

Combined Area Code Life in Years = 19 years

GEOGRAPHIC SPLIT ALTERNATIVE

Per Section 5.6.3 of the NPA Code Relief Planning & Notification Guidelines (ATIS-0300061) an overlay is the only relief option of the 845 NPA.

Where NPA relief is required for a single NPA area that is scheduled to transition to 10-digit dialing or has already transitioned to 10-digit dialing, then the Initial Planning Document, relief planning meeting, and industry consensus to recommend an overlay is not required.

GRANDFATHERED CO CODES

STATE	NPA	NXX	RATE CENTER ABBREVIATION
NY	914	388	KINGSTON
NY	914	389	KINGSTON
NY	914	399	KINGSTON
NY	914	466	KINGSTON
NY	914	706	KINGSTON
NY	914	283	MIDDLETOWN
NY	914	443	MIDDLETOWN
NY	914	850	MIDDLETOWN
NY	914	978	MIDDLETOWN
NY	914	797	MONTICELLO
NY	914	799	MONTICELLO
NY	914	866	MONTICELLO
NY	914	527	NANUET
NY	914	213	NEWBURGH
NY	914	541	NEWBURGH
NY	914	542	NEWBURGH
NY	914	755	NEWBURGH
NY	914	805	NEWBURGH
NY	914	204	POUGHKEPSI
NY	914	453	POUGHKEPSI
NY	914	456	POUGHKEPSI
NY	914	464	POUGHKEPSI
NY	914	474	POUGHKEPSI
NY	914	475	POUGHKEPSI
NY	914	489	POUGHKEPSI
NY	914	503	POUGHKEPSI
NY	914	264	SPRING VLY
NY	914	906	SPRING VLY

Per NANPA Planning Letter ([PL-556](#)), on July 16, 2020, the FCC adopted an Order (FCC 20-100) approving the designation of 988 as the 3-digit abbreviated dialing code for the national suicide prevention and mental health crisis hotline, requiring all telecommunications carriers, interconnected Voice over Internet Protocol (VoIP) providers, and one-way VoIP providers (covered providers) to make any network changes necessary to ensure that users can dial 988 to reach the existing National Suicide Prevention Lifeline: 1-800-273-8255 / 1-800-273 (TALK) by

July 16, 2022. The Order requires covered providers to implement mandatory 10-digit dialing in NPAs that use both 7-digit dialing and 988 as an NXX. The 845 NPA is included in the requirements of this FCC order.

Below is the implementation schedule of 10-digit dialing for the 988 3-digit code to reach the National Suicide Prevention Lifeline.

ACTION	TIME	DATE
Start of Network Preparation and Customer Education		July 16, 2020 (This starts the <i>9.5-month</i> period prior to permissive dialing effective date for carriers to implement permissive 10-digit dialing in their networks and start educating customers about the upcoming dates.)
Start of permissive 10-digit dialing (“permissive 10-digit dialing effective date”)	12:01 am local time	April 24, 2021 (This is the date communicated to customers as the “permissive dialing date” and starts the <i>6-month</i> period where customers start practicing dialing 10 digits and reprogram CPE as needed; this is typically a 6-month period in an overlay implementation.)
End of permissive dialing and start of mandatory 10-digit dialing (“mandatory 10-digit dialing effective date”)	12:01 am local time	October 24, 2021 (This is the date communicated to customers as the “mandatory dialing date” and starts the <i>8.5-month</i> period where carriers can start enforcing mandatory 10-digit dialing through their carrier-specific rolling cut schedule. This is not a flash cut.)
End of mandatory 10-digit enforcement implementation	12:01 am local time	July 15, 2022 (This is the deadline by which carriers must have completed their rolling cuts to enforce mandatory 10-digit dialing.)
Covered providers shall transmit all calls initiated by an end user dialing 988 to the current toll-free access number for the National Suicide Prevention Lifeline, presently 1-800-273-8255 (TALK)	12:01 am local time	July 16, 2022

CONSENSUS ON RELIEF ALTERNATIVE

There was substantial discussion on the relief alternative to be recommended to the Commission and the industry went through a list of pros and cons of both relief alternatives. A proposal was made, and consensus was reached among the industry members to recommend Alternative #1, the All-Services Distributed Overlay. The all-services distributed overlay will be included as the industry's recommended method of relief in the petition filed with the Commission.

Listed below are the pros and cons the Industry reached consensus on for each relief alternative. These pros and cons helped assist the Industry to reach consensus on the method of relief to be recommended to the Commission.

Alternative #1 All-Services Distributed Overlay

Pros:

1. All existing customers would retain the 845 area code and would not have to change their telephone numbers.
2. Less customer confusion and easier education process.
3. Less financial impact on business customers because there is no need to change signage, advertising, and stationery unless they currently only show 7-digit numbers.
4. Residential customers do not have to update personal printed material such as checks and websites, etc. unless they currently show 7-digit numbers.
5. Provides the most efficient distribution of numbering resources by allowing assignments to follow demand not withstanding forecasts for growth.
6. Minimizes call routing issues, especially with ported numbers.
7. Easier for service providers to implement from a translations, billing and service order system perspective.
8. The PSC would not have to decide which side gets the new NPA, so no winners and losers.
9. Does not split cities or counties into different area codes.
10. Keeps communities of interest intact.
11. An all services distributed overlay is simpler to implement from both a technical and customer education perspective.

Cons:

1. Financial costs to add NPA to signage and printed material where only 7-digit number is shown.

Alternative #2 NPA Boundary Elimination Overlay and New Overlay NPA

Pros:

1. Does not require customers to change their area code.
2. It is a more efficient use of numbering resources because:

- 1) It allows for full utilization of 28 grandfathered CO Codes in the 914 NPA from the 914-845 split; and
- 2) Combines 5 previously bisected rate centers (Peekskill, Lakeland, Mahopac, Croton Falls, and North Salem).
3. Allows the industry to implement relief for more than one NPA as relief needs to be implemented in the 914 NPA in approximately 6 years.

Cons:

1. The boundary elimination alternative has a shorter life than the all-services distributed overlay.
2. Impacts a larger quantity of customers than the all-services distributed overlay over only the 845 NPA.
3. A more complex customer education process, which could lead to increased customer confusion.
4. Requires more technical work and time to implement.
5. Combining five previously bisected rate centers (Peekskill, Lakeland, Mahopac, Croton Falls, and North Salem) requires additional technical and operational work which is not needed for an all-services distributed overlay.

CONSENSUS ON DIALING PLAN AND IMPLEMENTATION INTERVALS

A recommendation was made, and consensus was reached to include the following dialing plan as the dialing plan that will be applied to the 845 NPA with the implementation of the all-services distributed overlay.

Type of call	Call terminating in	Dialing Plan
Local & Toll Calls	Home NPA (HNPA)	10-digits (NPA-NXX-XXXX)*
Local & Toll calls	Foreign NPA (FNPA) outside of overlay NPAs	1 + 10-digits (1 + NPA-NXX-XXXX)
Operator Services Credit card, collect, third party	HNPA or FNPA	0 + 10-digits (0 + NPA-NXX-XXXX)

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

A recommendation was made, and consensus was reached to recommend to the Commission a 9-month schedule for implementation of the all-services distributed overlay with the new NPA being effective 6-months prior to the forecasted exhaust of the 845 NPA. Since mandatory 10-digit dialing will already be in place by the time the overlay implementation will begin, there will not be a permissive dialing period. The recommended schedule is as follows:

EVENT	TIMEFRAME
Customer Education and Network Preparation Period	9 Months
Effective date of the new NPA (and earliest possible CO code activation)*	At the completion of customer education and network preparation period (6 months prior to exhaust)

** CO codes in the new NPA will not be assigned until all available codes in the 845 NPA have been exhausted.*

CUSTOMER EDUCATION PLAN

There was discussion regarding including additional items in the minutes and consensus was reached to include the following customer and technical milestones for implementation of an all-services distributed overlay.

Customer Milestones:

	Responsibility
1. Single customer notification of new area code through methods such as bill messages, bill inserts, direct mail, text messaging, email	All Service Providers
2. Issue initial press release	NY Commission; Service Providers to the extent they're able to do so
3. Send Special letters to PSAPs and Directory Publishers	Co-chairs of industry committee
4. Update social media with information regarding overlay	All Service Providers (optional)
5. Update websites with information regarding overlay	All Service Providers
6. Develop language for use in Directories to alert consumers of the new area code	Service Providers that publish directories
7. Issue second press release just prior to effective date of new area code	NY Commission; Service Providers to the extent they're able to do so

Technical Milestones:

1. Obtain industry test code from NANPA and activate the test number	One Service Provider volunteer
2. Open the test code in carriers' networks	All Service Providers

3. Establish NPA Specific type of Trunks	All Service Providers (if needed)
<u>E911 Work Plan</u>	
4. Confirm new Emergency Service Number (ESN)/Numbering Plan Digit (NPD) has been established for the new NPA	E911 Providers
5. Ensure SRDB table has new NPA built in	E911 Providers
6. Notify PSAPs, PSALI customers and County Coordinators of new NPA	E911 Providers
7. Review and Submit CLEC Trunk Order Requests to local provider if needed	All Service Providers (if needed)
8. Update PSAP equipment to recognize new NPA	PSAPs
9. Trunk Orders Complete	911 Providers
10. Build E911 Network/Tandem Translations	911 Providers
11. Verify if all PSAP work has been completed	PSAPs
12. Activate E911 Network/Tandem Translations	911 Providers

The above are the typical milestones necessary for implementation of an all-services distributed overlay; however, these may need to be modified during the actual implementation.

STATEMENTS FOR THE RECORD

There were no statements for the record.

NANPA FILING INDUSTRY EFFORTS WITH COMMISSION

Consensus was reached that NANPA will file the petition for relief with the Commission informing them of the outcome of this relief planning meeting. The INC guidelines require the petition be filed within 6-weeks (December 9, 2021) of the relief planning meeting unless otherwise decided by the Industry. NANPA will post a draft petition no later than November 15, 2021, and the Industry will reach consensus on the final petition at a meeting scheduled for November 22, 2021.

REVIEW OF DRAFT MEETING MINUTES

Consensus was reached that the draft minutes resulting from this meeting will be distributed to the Industry no later than November 4, 2021. Any changes or corrections are to be submitted to Heidi via hwayman@nanpa.com by November 11, 2021 when the minutes will become final.

Heidi also reviewed the schedule for the remaining events that will be completed for the 845 NPA.

NY 845 NPA Relief Planning Meeting & Draft Petition Schedule

November 4 – Draft Minutes Posted via NNS

November 11 – Meeting Minutes become Final

November 15 – Post Draft Petition via NNS

November 22 – Draft Petition Review Meeting @ 11 am ET

December 9 – File Petition with New York Public Service Commission

Meeting adjourned

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These minutes became final on November 11, 2021 without edits.

**New York 845 NPA
Initial Relief Planning Meeting via Web Conference
October 28, 2021
Participants**

NAME	COMPANY
Angelo Topis	Altice
Deborah Anstead	Altice
George Guerra	AT&T
Rita Schmitz	CenturyLink/Lumen
Kathy Rogers	DISH Wireless
Melinda Yost	DISH Wireless
Judy Geise	Frontier
Heidi Wayman	NANPA
Cecilia McCabe	NANPA
Linda Hymans	NANPA
Florence Weber	NANPA
Lauriann Mullen	NY Department of Public Service
Shaunna Forshee	T-Mobile
Laura Dalton	Verizon
Chanda Brown	Verizon
Kelly Faul	Verizon/XO
Dana Crandall	Verizon Wireless
Scott Terry	Windstream

**New York 845 NPA and 914 NPA
CO Code Summary**

Attachment #2

<u>NPA</u>	<u>845</u>	<u>914</u>		
Assigned NXXs	725	656		
Protected NXXs	0	0		
Reserved NXXs	0	0		
Unavailable NXXs	21	39		
Available NXXs	54	105		
Total	800	800		
<u>Code Assignment History</u>				
2016	17	6		
2017	8	6		
2018	13	8		
2019	18	8		
2020	31	11		
2021	35*	32*		
*As of October 27, 2021				
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).				

THOUSANDS-BLOCK STATISTICS		
ST/NPA:	NY 845	NY 914
MEETING DATE:	10/28/21	10/28/21
POOL START DATE (PSD)	4/30/01	4/30/01
RATE CENTERS		
# Total	96	28
# Mandatory	96	28
# Mandatory-Single Service Providers (M*)	0	0
# Optional	0	0
# Excluded	0	0
BLOCKS ASSIGNED		
# Total	578	363
(For time period 11/01/20 - 10/27/21)		
BLOCKS AVAILABLE		
# Total	510	176
(As of preparation date: 10/27/21)		
CODES ASSIGNED		
# Total	39	33
# for Pool Replenishment	32	32
# for Dedicated Customers	1	0
# for LRNs	6	1
(For time period 11/01/20 - 10/27/21)		
CODES FORECASTED		
# Total		
# for Pool Replenishment and Dedicated Customers	28	8
# for LRNs	0	0
(For the next twelve months as of: 10/27/21)		