



August 23, 2022

Electronically Filed

Mr. Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place E, Suite 350
Saint Paul, MN 55101-2147

Re: In the Matter of a Relief Plan for the Exhaust of the 507 Numbering Plan Area

Dear Mr. Seuffert:

The North American Numbering Plan Administrator (“NANPA”) hereby submits for filing a petition on behalf of the Minnesota telecommunications industry for relief of the “507” area code.

If you have any questions regarding this filing, please contact me at 844-445-4623.

Respectfully submitted,

/s/Kimberly Wheeler Miller

Kimberly Wheeler Miller
Counsel for
North American Numbering Plan
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**Before the
MINNESOTA PUBLIC UTILITIES COMMISSION**

In the Matter of a Relief Plan)
For the Exhaust of the 507) **Docket No. _____**
Numbering Plan Area)

**PETITION OF THE
NORTH AMERICAN NUMBERING PLAN
ADMINISTRATOR ON BEHALF OF THE MINNESOTA
TELECOMMUNICATIONS INDUSTRY FOR RELIEF OF
THE 507 NUMBERING PLAN AREA**

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 Minnesota and on behalf of the Minnesota telecommunications industry (“Industry”),¹ hereby notifies the Minnesota Public Utilities Commission (“Commission”)² that the 507 NPA, serving southern Minnesota, is projected to exhaust its Central Office codes (often referred to as “CO” or “NXX” codes) during the first quarter of 2025 and is in need of relief. This means that absent NPA relief, the supply of CO codes in the 507 NPA is projected to run out during the projected exhaust quarter. The Industry recommends that it implement an all-services distributed overlay based upon a 13-month schedule that is completed at least six months prior to the projected exhaust of the 507 NPA.³ Pursuant to the NPA Code Relief Planning and

¹ The Industry is composed of current and prospective telecommunications carriers operating in, or considering operations within, the 507 NPA.

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

³ NPA Code Relief Planning and Notification Guidelines (ATIS-0300061, April 1, 2022) (“NPA Relief Guidelines”), §5.1. The NPA Relief Guidelines can be accessed on the ATIS website located at https://access.atis.org/apps/group_public/documents.php?view=.

Notification Guidelines (“NPA Relief Guidelines”), once “the regulator issues an order (or other written approval) for NPA relief, NANPA should be provided approximately 75 calendar days from the date of the order (or other written approval) to assign a new NPA, ensure a press release is issued to announce the new NPA, to schedule and facilitate an implementation meeting, and publish the Planning Letter(s).⁴

The Industry respectfully requests that the Commission expeditiously approve the Industry’s plan to implement an all-services distributed overlay as set forth herein.

I. Background

The 507 NPA has been in service since 1954 serving southern Minnesota and was the first area code added to the original 218 and 612 NPAs. Cities in the 507 NPA include but are not limited to Rochester, Mankato, Worthington, Fairmont, Albert Lea, Northfield, Austin and other smaller communities. The Mississippi river serves as a natural border between southern Minnesota and Wisconsin. The 507 NPA is bordered on the north by the 320, 952 and 651 NPAs, to the east by the Wisconsin 608 NPA, to the south by the Iowa 563, 641, 515, and 712 NPAs and to the west by the South Dakota 605 NPA.

II. Description of Relief Alternatives

As required by the FCC, NANPA collects CO code assignment, utilization, and forecasted demand data to determine the projected need 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

⁴ NPA Relief Guidelines §5.10.1.

Resource Utilization/Forecast (NRUF) and NPA Exhaust Analysis (“October 2021 NRUF Report”) which indicated that the 507 NPA would exhaust during the second quarter of 2025. However, due to an increase in CO code assignments in the 507 NPA, NANPA issued a revised exhaust projection known as a “Delta NRUF” on March 29, 2022, which revised the estimated exhaust date to the first quarter of 2025. This is also the exhaust date shown in the April 2022 NRUF and NPA Exhaust Analysis Report (“April 2022 NRUF Report”).⁵

NANPA convened an Industry NPA relief planning meeting via web conference on July 19, 2022.⁶ During this meeting the Industry reviewed an Initial Planning Document (IPD) which included two alternatives for relief, an all-services distributed overlay and a geographic split. After a thorough review of the relief alternatives, the Industry reached consensus to recommend Alternative #1, the all-services distributed overlay of the 507 NPA.⁷

Following are the descriptions of each relief alternative that were reviewed and assessed by the Industry participants prior to reaching their decision:

- **Alternative #1: An All-Services Distributed Overlay of the 507 NPA**

An all-services distributed overlay is a form of NPA relief wherein a new NPA is assigned to the same geographic area presently occupied by the 507 NPA. Customers would retain their current telephone numbers and 10-digit local dialing by all customers within and between NPAs in the overlay area would be required. CO codes in the new NPA

⁵ October 2021 NRUF and NPA Exhaust Analysis (“October 2021 NRUF Report”), “Delta NRUF,” and April 2022 NRUF and NPA Exhaust Analysis (“April 2022 NRUF Report”) can be accessed on the NANPA web site at https://nationalnanpa.com/reports/reports_npa.html.

⁶ A copy of the meeting notice with IPD, which was distributed to the Industry on June 20, 2022, is attached, as Exhibit A.

⁷ A copy of the July 19, 2022 meeting minutes is attached as Exhibit B.

will not be assigned until all available CO codes in the 507 NPA have been allocated. There are a total of 228 rate centers in the 507 NPA and the projected life of this alternative would be 37 years.

- **Alternative #2: A Geographic Split of the 507 NPA**

The 507 NPA would be split into two geographic areas and a new NPA code would be assigned to one of the areas formed by the split. No recommendation is made for which side of the split line would receive the new NPA. Within each NPA, seven-digit local dialing would be permitted, however, 10-digit local dialing would be required between the two NPAs. Area A would encompass 144 rate centers to the west of the split boundary line including Gaylord, Jackson, Le Sueur, Luverne, Mankato, New Ulm, and Worthington. The projected life of Area A is 36 years. Area B would encompass 84 rate centers including Albert Lea, Austin, Faribault, Northfield, Owatonna, Rochester, Waseca, Winona, and all other rate centers to the east of the split boundary line. The projected life for Area B is 41 years.

III. Description of the Recommended Relief Alternative

The all-services distributed overlay would add a new NPA over the same geographic area covered by the existing 507 NPA and is projected to last approximately 37 years. NANPA will assign CO codes from the new overlay NPA once all available CO codes from the 507 NPA are assigned. All existing customers would retain their current area code in the overlay area and would not have to change their telephone numbers. However, 10-digit local dialing by all customers within and between NPAs in the affected area would be required.

The all-services distributed overlay in Alternative #1 is recommended by the Industry for the 507 NPA because it is the most consumer-friendly

method of relief, allowing all existing customers to retain their current telephone numbers, and avoid having to contact friends, family and business associates to advise of a number change. In contrast, the geographic split in Alternative #2 would have additional technical and customer education issues that would complicate and prolong implementation. A geographic split has not been implemented in the United States since 2007 and is much more difficult to implement due to changing technologies in today's local number portability environment. Further, any lessons learned during the implementation of the last split in 2007 or any previous split implemented in Minnesota, are likely obsolete now.

The all-services distributed overlay maintains the communities of interest for the 507 NPA because the geographic boundaries would not change. Also, while Minnesota has not yet implemented an overlay NPA, the 507 NPA would not be the first NPA in the state to transition to 10-digit local dialing. The 218 and 952 NPAs transitioned to mandatory 10-digit local dialing due to the implementation of 988 as an abbreviated dialing code to reach the national 988 Suicide and Crisis Lifeline as of July 15, 2022.⁸

The Industry-recommended dialing plan for the 507 NPA all-services distributed overlay is set forth in the following table:

⁸ Under the industry 10-digit local dialing transition plan for the 988 implementation, service providers removed 7-digit local dialing in the 218 and 952 NPAs from their networks by July 15, 2022. See the 988 transition materials on the NANPA website at: https://www.nationalnanpa.com/transition_to_10_digit_dialing_for_988/index.html

Dialing Plan for the 507 All-Services Distributed Overlay

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA) or 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 permissive dialing at service provider's discretion

The Industry reached consensus to implement the new relief NPA in accordance with a 13-month schedule. 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. Furthermore, the Commission's prompt approval of the instant Petition and adherence to the proposed implementation timeframe 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 timeframe schedule is set forth in the following table:

**Implementation Timeframe Schedule
for the 507 All-Services Distributed Overlay**

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

*CO codes in the new NPA will not be assigned until all available codes in the existing 507 NPA are allocated.

After the Commission issues a final decision, NANPA will take approximately 75 days to assign the new NPA, work with the Commission to issue a press release announcing the new NPA, schedule and facilitate an Industry implementation meeting, and publish a Planning Letter. The Industry will then form a committee to begin implementation of the new area code approximately 19 months prior to exhaust of the 507 NPA.⁹

The following tables outline the methods and processes the Industry typically utilizes for implementation of an initial overlay; however, the methods and processes outlined below may be modified by agreement of the Industry members during the actual implementation meetings:

Customer Education Milestones:

	Action	Responsibility
1	Issue first customer notification (e.g., bill messages, bill inserts, direct mail, text messaging, email)	All Service Providers

⁹ A total of 19 months is needed to complete a 13-month implementation schedule at least 6 months prior to the exhaust of the 507 NPA.

	Action	Responsibility
2	Issue initial press release	Commission and Service Providers that have the ability (If necessary)
3	Send Special letters to Alarm & Safety providers, Pay Telephone providers, 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 the consumers of 10-digit dialing and the new area code.	Service Providers that publish directories
	Permissive 7 and 10-Digit Dialing Begins	
7	Issue second customer notification(e.g., bill messages, bill inserts, direct mail, text messaging, email)	All Service Providers
8	Send reminder Special letters to Alarm and Safety providers, Directory publishers, Pay Telephone providers & PSAPs.	Co-chairs of industry committee
9	Update social media with information regarding overlay	All Service Providers
10	Update websites with information regarding overlay	All Service Providers
11	Issue second (Mandatory) press release	Commission and Service Providers that have the ability

Technical Milestones:

	Action	Responsibility
1	Obtain industry test code from NANPA and activate the test number.	One Service Provider volunteer
2	Open the test code in carriers' network.	All Service Providers
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.	All Service Providers
4	Ensure Highway boxes are programmed with 10-digit dialing.	Co-chairs of industry committee
5	Network ready for Permissive Dialing	All Service Providers
6	Create Permissive Dialing Industry Contact List	Co-chairs of industry committee
	Permissive Dialing Begins	
7	Establish NPA Specific type of Trunks	All Service Providers (if needed)
8	Completion of 10-digit signaling transition between carriers' networks	All Service Providers
9	Require email from service providers when the 10-digit signaling transition between	All Service Providers

	Action	Responsibility
	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	All Service Providers
11	Recorded announcements in Place and Tested	All Service Providers
	E911 Work Plan	
12	Confirm new ESN/NPD has been established for the new NPA	E911 Providers
13	Ensure SRDB table has new NPA built in	E911 Providers
14	Notify PSAPs, PSALI customers and County Coordinators (1 st and 2 nd Notification)	E911 Providers
15	Review and Submit CLEC Trunk Order Requests to local provider if needed	All Service Providers (if needed)
16	Update PSAP equipment	PSAPs
17	Trunk Orders Complete	All Service Providers (if needed)
18	Build E911 Network/Tandem Translations	E911 Providers
19	Verify if all PSAP work has been completed	E911 Providers
20	Activate E911 Network/Tandem Translations	E911 Providers

IV. Conclusion

The Industry requests that the Commission issue an order in response to the instant Petition approving an all-services distributed overlay relief plan for the 507 NPA and the recommended implementation schedule without a hearing. To the extent possible, the Industry requests that the Commission 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 507 NPA in accordance with the implementation schedule set forth above. As such, the Industry respectfully requests that the Commission issue a final decision on this petition no later than May 31, 2023.

Respectfully submitted,

/s/Kimberly Wheeler Miller

Kimberly Wheeler Miller

Counsel for

North American Numbering Plan
Administrator

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August 23, 2022

EXHIBIT A



June 20, 2022

To: All 507 NPA Code Holders and Interested Industry Members (Minnesota)

Subject: Minnesota 507 NPA Initial Planning Document Review Meeting

The North American Numbering Plan Administrator (“NANPA”) is responsible for initiating area code relief in areas within the United States in sufficient time to prevent exhaust of numbering resources before relief is implemented in accordance with the NPA Code Relief Planning and Notification Guidelines (ATIS-0300061). The Numbering Resource Utilization/Forecast (NRUF) and NPA Exhaust Analysis (“October 2021 NRUF Report”), published by NANPA, indicated that the 507 NPA would exhaust during the second quarter of 2025. On March 29, 2022, NANPA issued a revised exhaust forecast (“Delta NRUF”), moving the exhaust forecast date to the first quarter of 2025 due to an increase in Central Office (“CO”) code assignments, and is also the exhaust date shown in the April 2022 Numbering Resource Utilization/Forecast (NRUF) and NPA Exhaust Analysis (“April 2022 NRUF Report”).

Accordingly, on July 19, 2022, NANPA will convene an industry NPA relief planning meeting via web conference to review the initial planning document (“IPD”) and develop a recommended relief plan for the 507 NPA. The objective of this meeting is to reach consensus among members of the Minnesota Telecommunications Industry (“Industry”) on a single relief plan for the 507 NPA. The resulting relief plan will be filed in a petition with the Minnesota Public Utilities Commission (“Commission”) for their consideration and approval. The industry-recognized consensus process developed by the Alliance for Telecommunications Industry Solutions (“ATIS”) will be applied in the decision-making efforts.

Included with this meeting notice is the meeting agenda, consensus process, 507 NPA CO code and thousands-block status reports, relief planning meeting aids, service provider CO code assignments by OCN, rate centers in the 507 NPA and associated maps.

Because the impacts of NPA relief are so significant, NANPA strongly urges your participation on July 19, 2022. This may be the only meeting of the Industry before a decision is reached on a recommended relief plan that will be submitted to the Commission for approval. The details of the relief planning meeting are as follows:

Date: Tuesday, July 19, 2022

Time: 2:00 pm, ET; 1:00 pm CT; 12:00 pm MT; 11:00 am PT

Join Zoom Meeting

<https://somos.zoom.us/j/89828306141?pwd=VXpPa3BpRUVUcTY4bmFPazhMa1pBZz09&from=addon>

Meeting ID: 898 2830 6141

Password: 104641

One tap mobile

8884754499,,89828306141# US Toll-free

8778535257,,89828306141# US Toll-free

Dial by your location

888 475 4499 US Toll-free

877 853 5257 US Toll-free

Meeting ID: 898 2830 6141

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 507 NPA relief project, please sign up to NANPA's NAS-NNS by going to www.nationalnanpa.com, then selecting NAS Login and then selecting New Registration and following the sign-up process.

If you have any questions, please contact me at (925) 420-0130 or via email at cmccabe@nanpa.com.

Sincerely,

Cecilia McCabe
NPA Relief Planner
NANPA

cc: Marc Fournier - Minnesota Public Utilities Commission

**MINNESOTA 507 NPA
INITIAL RELIEF PLANNING MEETING
VIA WEB CONFERENCE**

July 19, 2022 - 1:00 PM (CT)

AGENDA

Welcome, Introductions, Consensus Definition / Statements for the record

NANPA's Role and Responsibilities

Review 507 NPA Background and History

Review NPA Status

Review Initial Planning Document and Proposed Alternatives

Review Relief Alternative Pros and Cons

Consensus on Relief Alternative

Consensus on Implementation Intervals

Consensus on Customer Education and 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.

5 NPA Relief Planning Process

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

Considerations in the NPA Relief Planning Process include:

- a) The relief options shall cover a period of at least 15 years beyond the predicted date of exhaust, and may cover more than one relief activity, if necessary, during the time frame. If the only viable relief option is less than 15 years from the predicted date of exhaust, then NANPA shall provide this relief option.
- 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, expansion 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 or boundary realignment 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 any relief activity proposed in the plan that requires number changes, it is recommended that customers who undergo number changes shall not be required to change again for a period of 15 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 local 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.¹
- 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.² 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

¹ Per letter dated 10-29-97 from NANC Chairman to INC Moderator.

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

assigned to all rate centers. A high number of protected routes may impact the availability of NXX codes in specific rate centers (usually high-demand rate centers), which directly impacts the exhaust timeframe of an area code. As a result, NPA relief planning may start prematurely or may not permit for the standard intervals for relief implementation.

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

5.1 Determine the Expected NPA Exhaust Period

Through the use of historical growth data as well as expected changes (e.g., expansion of thousands-block 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 (6) 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 (6) 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 (4) weeks of the declaration of jeopardy and will hold an industry NPA Relief Planning meeting no more than eight (8) weeks after the Jeopardy announcement.
- It should be noted that an exhaust date based on a controlled allocation (rationing) is an artificial exhaust projection based on the monthly rationing amount determined by the industry and 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 (4) 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 consideration³. NANPA shall moderate these meetings or conference calls and be fully prepared to answer questions regarding the alternatives. During the meetings/conference calls, new alternatives may be proposed and shall be considered in these discussions. Inasmuch as the objective of these meetings/conference calls is to reach industry consensus, subsequent meetings/conference calls shall be held as required until consensus is reached, or until NANPA determines consensus cannot be reached.

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

³ 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.

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 Distributed Overlay Method⁴

An all-services distributed 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.⁵ 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 all-services distributed 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 eliminates the need for a permissive dialing period as part of implementation. In areas where mandatory 10-digit local dialing is already in place, an overlay eliminates the need for a permissive dialing period as part of implementation. Other potential implementation strategies have been identified for an all-services overlay, but they tend to provide shorter-term relief and/or may require additional technical work for some SPs. They are listed below:

6.3.1 Concentrated Growth Overlay

A concentrated growth overlay may be considered 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 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 local 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. A concentrated growth overlay may cause customer dialing confusion and additional technical work for some SPs, and may require a longer implementation interval.

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 available 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 a considerable amount of relief life left. This solution has the advantage of not immediately requiring a new NPA code, but it also shares a limitation of boundary realignment because it offers shorter-term relief. Further, a boundary

⁴ The LNPA Working Group Best Practice 30 supports the all-services distributed 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>.

⁵ 47 CFR §52.19 (c) (3) (ii).

elimination overlay may require additional technical work for some SPs, and may require a longer implementation interval.

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. Multiple overlays may require additional technical work for some SPs, and may require a longer implementation interval.

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.⁶ Such overlays are not feasible where local number portability and/or thousands-block pooling have been implemented. For purposes of relief planning, a technology-specific or service-specific overlay shall not be considered by the NANPA or the industry.

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 distributed overlay.⁷

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, projected exhaust, 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; 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.

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

⁷ See FCC 01-362 ¶¶ 81-94.

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 completed at least six (6) months prior to the projected exhaust of the NPA, but in extraordinary situations, at least three (3) months before the existing NPA would exhaust under the highest growth projections. For overlays, relief is completed when mandatory 10-digit local dialing has been implemented and the new NPA becomes effective.

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
<ul style="list-style-type: none"> • Splits maintain a single area code for each geographic area. This may minimize confusion for customers outside the area. 	<ul style="list-style-type: none"> • With an overlay there will be more than one area code in a geographic area.
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • An overlay will not require existing customers to change their area code.
<ul style="list-style-type: none"> • Geographic splits permit 7-digit dialing within an area code. 	<ul style="list-style-type: none"> • An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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.
<ul style="list-style-type: none"> • Future splits will reduce the geographic size of the area code. 	<ul style="list-style-type: none"> • An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.

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 to business customers because there is no need to change signage, advertising and stationery
	6 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.
	7 Residential customers do not have to update personal printed material such as checks and websites, etc. unless they currently show 7-digit numbers.
	8 Customers do not have to update personal printed material such as checks and websites, etc.
	9 Provides the most efficient distribution of numbering resources by allowing assignments to follow demand not withstanding forecasts for growth
	10 No need for synchronization of old and new NPAs in NPAC databases
	11 Minimizes call routing issues, especially with ported numbers
	12 Easier for service providers to implement from a translations, billing and service order system perspective
	13 Minimal data entries handled in national databases such as BIRRDS, LERG and the Terminating Point Master Table
	14 The PSC/PUC would not have to decide which side gets the new NPA, so no winners and losers.
	15 Does not split cities or counties into different area codes.
	16 Keeps communities of interest in tact.
	17 No impact on some wireless carriers that have to reprogram handsets manually
	18 No technical impacts to number portability, text messaging or multimedia messaging

Relief Planning Meeting Aid

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

						19 An all services overlay is simpler to implement from both a technical and customer education perspective and prevents having to educate customers twice.
						20 An all services overlay would have a consistent local dialing pattern, as opposed to a concentrated overlay that could have two different types of local dialing in the NPA.
						21 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.

Relief Planning Meeting Aid

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

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 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.

NPA Split Pros and Cons

Pros:

Alternative #					
					1 Customers retain seven-digit dialing for all calls within the same NPA.
					2 Maintains seven digit dialing for local calls within the same NPA
					3 Approximately 1/2 of customers would experience no change if they keep the XXX NPA
					4 Projected lives are balanced
					5 The projected lives are slightly more balanced than alternative #_.
					6 The projected lives are more balanced
					7 This alternative allows _____ to maintain operations on one side of the split line.

Relief Planning Meeting Aid

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

					8	operating territory is kept in tact
					9	Retains the geographic identity with one area code.
					10	Keeps the cities on both sides of the split lines intact.

NPA Split Pros and Cons:

Cons:

Alternative #						
					1	Splits _____operating territory between two NPAs
					2	_____EAS calling is heavily disrupted
					3	Projected lives are imbalanced, _ years difference, least balanced of the split alternatives, could become more imbalanced if demand changes in future years
					4	Requires approximately ½ of ___ NPA customers to change their area code, thus creating winners and losers.
					5	Requires NPA change for approximately ½ of ___ NPA customers
					6	Requires half of the businesses to incur costs to change their advertising for telephone #'s and stationery.
					7	Financial impact to half of businesses to incur costs to change their advertising for telephone #'s and stationery if currently show 10-digit telephone numbers or are close to the split line.
					8	Creates widespread customer 10-digit dialing confusion across the new NPA boundary.
					9	All ___ NPA customers previously went through a split _ years ago and half will have to change again
					10	Difficult PSC/PUC decision on which side retains the old NPA.
					11	Longer time period needed for service providers to implement this type of relief.
					12	Customers whose numbers change must contact friends, family and business associates with the telephone changes.
					13	More complicated and costly to implement for service providers in their billing, translations and database systems.
					14	Splits affect alarm systems and E-911 databases.
					15	Negative impacts to E911, industry and alarm system databases that must be updated with customers' new telephone numbers.

Relief Planning Meeting Aid

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

					16 Negative impact to directories and directory assistance databases that must be updated with customers' new telephone numbers.
					17 Timing of publication of telephone directories must be coordinated with the implementation of the new NPA.
					18 Split has a larger impact to greater number of existing customers due to change in existing customers' telephone numbers.
					19 Split requires significant challenges to service provider's operational support systems and network elements.
					20 Splits cause customer confusion with caller ID during implementation.
					21 Older wireless handsets without over-the-air programming must be manually programmed for those numbers that are changing.
					22 Splits require the old and new NPAs to be synchronized with the NPAC database to ensure accurate call routing and facilitation of port requests.
					23 Splits require a more challenging customer education process for service providers that have customers on both sides of the split line.
					24 This split disrupts the SP's host-remote switch arrangement.
					25 Splits require the 800/SMS database to be updated.
					26 Splits reduce the geographic area served by one area code.
					27 Splits the city(s), counties or legislative districts into different area codes.
					28 Splits communities of interest.
					29 For some wireless carriers, text messaging and multimedia service can only handle one version of the 10-digit number so they will fail if they are sent using the old area code during permissive dialing.



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

*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

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	

Relief Planning Meeting Aid
Customer Education and Technical Milestones

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	

Relief Planning Meeting Aid
Customer Education and Technical Milestones

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

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	ADAMS	ADAMS
507	ADRIAN	ADRIAN
507	ALBERT LEA	ALBERT LEA
507	ALDEN	ALDEN
507	ALTURA	ALTURA
507	AMBOY	AMBOY
507	ARCO	ARCO
507	ARLINGTON	ARLINGTON
507	AUSTIN	AUSTIN
507	AVOCA	AVOCA
507	BALATON	BALATON
507	BELVIEW	BELVIEW
507	BIGELOW	BIGELOW
507	BLOOMNPRRI	BLOOMING PRAIRIE
507	BLUE EARTH	BLUE EARTH
507	BREWSTER	BREWSTER
507	BRICELYN	BRICELYN
507	BROWNSDALE	BROWNSDALE
507	BROWNSVL	BROWNSVILLE
507	BUTTERFLD	BUTTERFIELD
507	BYRON	BYRON
507	CALEDONIA	CALEDONIA
507	CAMBRIA	CAMBRIA
507	CANBY	CANBY
507	CANNON FLS	CANNON FALLS
507	CANTON	CANTON
507	CEYLON	CEYLON
507	CHANDLER	CHANDLER
507	CHATFIELD	CHATFIELD

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	CHERRY GRV	CHERRY GROVE
507	CLAREMONT	CLAREMONT
507	CLARKS GRV	CLARKS GROVE
507	CLEMENTS	CLEMENTS
507	COMFREY	COMFREY
507	CONGER	CONGER
507	COTTONWOOD	COTTONWOOD
507	CURRIE	CURRIE
507	DAKOTA	DAKOTA
507	DELAVAN	DELAVAN
507	DELFT	DELFT
507	DEXTER	DEXTER
507	DODGE CTR	DODGE CENTER
507	DUNDEE	DUNDEE
507	DUNNELL	DUNNELL
507	E VLY SPG	EAST VALLEY SPRINGS
507	EAGLE LAKE	EAGLE LAKE
507	EAST CHAIN	EAST CHAIN
507	EAST GARY	EAST GARY
507	EASTELKTON	EAST ELKTON
507	EASTON	EASTON
507	ECHO	ECHO
507	EDGERTON	EDGERTON
507	EGARRETSON	EAST GARRETSON
507	EITZEN	EITZEN
507	ELGIN	ELGIN
507	ELLENDALE	ELLENDALE
507	ELLSWORTH	ELLSWORTH
507	ELMORE	ELMORE

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	ELYSIAN	ELYSIAN
507	EMMONS	EMMONS
507	EYOTA	EYOTA
507	FAIRFAX	FAIRFAX
507	FAIRMONT	FAIRMONT
507	FARIBAULT	FARIBAULT
507	FOUNTAIN	FOUNTAIN
507	FRANKLIN	FRANKLIN
507	FREEBORN	FREEBORN
507	FROST	FROST
507	FULDA	FULDA
507	GARDENCITY	GARDEN CITY
507	GARVIN	GARVIN
507	GAYLORD	GAYLORD
507	GHENT	GHENT
507	GIBBON	GIBBON
507	GLENVILLE	GLENVILLE
507	GOODTHUNDR	GOOD THUNDER
507	GRANADA	GRANADA
507	GRAND MDW	GRAND MEADOW
507	GRANGER	GRANGER
507	GREEN ISLE	GREEN ISLE
507	GUCKEEN	GUCKEEN
507	HANLEY FLS	HANLEY FALLS
507	HANSKA	HANSKA
507	HARDWICK	HARDWICK
507	HARMONY	HARMONY
507	HARTLAND	HARTLAND
507	HAYFIELD	HAYFIELD

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	HENDERSON	HENDERSON
507	HENDRICKS	HENDRICKS
507	HERON LAKE	HERON LAKE
507	HILLS	HILLS
507	HOKAH	HOKAH
507	HOLLAND	HOLLAND
507	HOLLANDALE	HOLLANDALE
507	HOUSTON	HOUSTON
507	HUNTLEY	HUNTLEY
507	IONA	IONA
507	IVANHOE	IVANHOE
507	JACKSON	JACKSON
507	JANESVILLE	JANESVILLE
507	JASPER	JASPER
507	JEFFERS	JEFFERS
507	KASSON	KASSON
507	KELLOGG	KELLOGG
507	KENYON	KENYON
507	KIESTER	KIESTER
507	KILKENNY	KILKENNY
507	LACRESCENT	LA CRESCENT
507	LAFAYETTE	LAFAYETTE
507	LAKEBENTON	LAKE BENTON
507	LAKEFIELD	LAKEFIELD
507	LAKEWILSON	LAKE WILSON
507	LAMBERTON	LAMBERTON
507	LANESBORO	LANESBORO
507	LE CENTER	LE CENTER
507	LE SUEUR	LE SUEUR

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	LEOTA	LEOTA
507	LEROY	LEROY
507	LEWISTON	LEWISTON
507	LEWISVILLE	LEWISVILLE
507	LISMORE	LISMORE
507	LK CRYSTAL	LAKE CRYSTAL
507	LONSDALE	LONSDALE
507	LUCAN	LUCAN
507	LUVERNE	LUVERNE
507	LYLE	LYLE
507	LYND	LYND
507	MABEL	MABEL
507	MADELIA	MADELIA
507	MADISON LK	MADISON LAKE
507	MANCHESTER	MANCHESTER
507	MANKATO	MANKATO
507	MANTORVL	MANTORVILLE
507	MAPLETON	MAPLETON
507	MARSHALL	MARSHALL
507	MAZEPPA	MAZEPPA
507	MILLVILLE	MILLVILLE
507	MILROY	MILROY
507	MINNEOTA	MINNEOTA
507	MINNESOTLK	MINNESOTA LAKE
507	MONTGOMERY	MONTGOMERY
507	MORGAN	MORGAN
507	MORRISTOWN	MORRISTOWN
507	MORTON	MORTON
507	MOUNTAINLK	MOUNTAIN LAKE

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	NEW RICHLD	NEW RICHLAND
507	NEW SWEDEN	NEW SWEDEN
507	NEW ULM	NEW ULM
507	NICOLLET	NICOLLET
507	NO CHESTER	NORTH CHESTER
507	NO LESTER	NORTH LESTER
507	NOBURR OAK	NORTH BURR OAK
507	NOESTHERVL	NORTH ESTHERVILLE
507	NOLAKEPARK	NORTH LAKE PARK
507	NOLTL ROCK	NORTH LITTLE ROCK
507	NONEWALBIN	NORTH NEW ALBIN
507	NORKRAPIDS	NORTH ROCK RAPIDS
507	NORTH RAKE	NORTH RAKE
507	NORTHFIELD	NORTHFIELD
507	NORTHROP	NORTHROP
507	NOSPIRITLK	NORTH SPIRIT LAKE
507	ODIN	ODIN
507	OKABENA	OKABENA
507	ORONOCO	ORONOCO
507	OSTRANDER	OSTRANDER
507	OWATONNA	OWATONNA
507	PEMBERTON	PEMBERTON
507	PETERSON	PETERSON
507	PINEISLAND	PINE ISLAND
507	PIPESTONE	PIPESTONE
507	PLAINVIEW	PLAINVIEW
507	PORTER	PORTER
507	PRESTON	PRESTON
507	RACINE	RACINE

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	RED DEL	RED DEL
507	REDWOODFLS	REDWOOD FALLS
507	ROCHESTER	ROCHESTER
507	ROCK DELL	ROCK DELL
507	ROLLINGSTN	ROLLINGSTONE
507	ROUND LAKE	ROUND LAKE
507	RUSHFORD	RUSHFORD
507	RUSHMORE	RUSHMORE
507	RUSSELL	RUSSELL
507	RUTHTON	RUTHTON
507	SANBORN	SANBORN
507	SEAFORTH	SEAFORTH
507	SHERBURN	SHERBURN
507	SLAYTON	SLAYTON
507	SLEEPY EYE	SLEEPY EYE
507	SPRING GRV	SPRING GROVE
507	SPRING VLY	SPRING VALLEY
507	SPRINGFLD	SPRINGFIELD
507	ST CHARLES	ST CHARLES
507	ST CLAIR	ST CLAIR
507	ST JAMES	ST JAMES
507	ST LEO	ST LEO
507	ST PETER	ST PETER
507	STEEN	STEEN
507	STEWARTVL	STEWARTVILLE
507	STORDEN	STORDEN
507	TRACY	TRACY
507	TRIMONT	TRIMONT
507	TRUMAN	TRUMAN

MN 507 Rate Center List

NPA	Abbreviated Rate Center	Rate Center Full Name
507	TWIN LAKES	TWIN LAKES
507	TYLER	TYLER
507	VERNON CTR	VERNON CENTER
507	VESTA	VESTA
507	W CONCORD	WEST CONCORD
507	WABASSO	WABASSO
507	WALDORF	WALDORF
507	WALNUT GRV	WALNUT GROVE
507	WANAMINGO	WANAMINGO
507	WASECA	WASECA
507	WATERVILLE	WATERVILLE
507	WELCOME	WELCOME
507	WELLS	WELLS
507	WESTBROOK	WESTBROOK
507	WILMONT	WILMONT
507	WINDOM	WINDOM
507	WINNEBAGO	WINNEBAGO
507	WINONA	WINONA
507	WINTHROP	WINTHROP
507	WOOD LAKE	WOOD LAKE
507	WOODSTOCK	WOODSTOCK
507	WORTHINGTN	WORTHINGTON
507	WYKOFF	WYKOFF
507	ZUMBRO FLS	ZUMBRO FALLS
507	ZUMBROTA	ZUMBROTA

MN 507 NPA Code Holder List

Company	OCN	CountOfNXX
ACE LINK TELECOMMUNICATIONS, INC.	6169	1
ACE TEL. ASSN. - IA	1346	1
ACE TEL. ASSN. - MN	1345	12
AERIAL COMMUNICATIONS, INC.	6701	15
ALLIANCE COMM. COOPERATIVE, INC. (SPLIT ROCK)	1657	1
ALLIANCE COMMUNICATIONS COOPERATIVE, INC. - MN	1406	3
ALLIANCE COMMUNICATIONS COOPERATIVE, INC. - SD	280D	1
AT&T - LOCAL	7421	2
BANDWIDTH.COM CLEC, LLC - MN	980E	18
BLUE EARTH VALLEY TEL. CO.	1358	6
BRIGHTLINK COMMUNICATIONS, LLC	551G	1
CANNON VALLEY TELECOM, INC.	1440	4
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - MN	5816	67
CENTURYLINK COMMUNICATIONS, LLC	508J	3
CENTURYTEL OF CHESTER, INC. DBA CENTURYLINK	1126	1
CENTURYTEL OF MINNESOTA, INC. DBA CENTURYLINK	1445	19
CHARTER FIBERLINK, LLC - MN	447D	11
CHRISTENSEN COMMUNICATIONS COMPANY	1425	1
CHRISTENSEN COMMUNICATIONS COMPANY - MN	968D	1
CITIZENS TELECOM CO MN-FRONTIER CITIZENS COM-MN	1123	35
CITY OF WINDOM - MN	105D	1
CLARITY TELECOM, LLC D/B/A VAST BROADBAND	4768	15
CLEMENTS TEL. CO.	1372	1
CONSOLIDATED COMMUNICATIONS ENTERPRISE SVCS-MN	4587	20
CONSOLIDATED COMMUNICATIONS ENTERPRISE SVCS-MN	8581	10
CONSOLIDATED COMMUNICATIONS MID-COM COMPANY - MN	1375	11
CONSOLIDATED COMMUNICATIONS OF MINNESOTA CO - MN	1427	9
CSC WIRELESS, LLC	425J	1
DISH WIRELESS, LLC	490J	1
DUNNELL TEL. CO.	1381	1
ELECTRIC LIGHTWAVE LLC DBA ALLSTREAM	4139	2
EMBARQ MINNESOTA, INC, DBA CENTURYLINK	1456	11
FRACTEL, LLC	965H	6
FRONTIER COMMUNICATIONS OF MINNESOTA, INC.	1367	38
GRANADA TEL. CO.	1399	1
HARMONY TEL. CO.	1404	1
HEARTLAND TELECO OF IA DBA PREMIER COMMUNICATIONS	1109	1
HIAWATHA BROADBAND COMMUNICATIONS, INC. - MN	755B	4
HOME TEL. CO.	1408	3
INTERSTATE TELECOM COOP, INC. - MN	1654	2

MN 507 NPA Code Holder List

INTERSTATE TELECOM COOP, INC. - SD	1651	2
IP HORIZON LLC	515J	1
JAGUAR COMMUNICATIONS, INC. - MN	0793	33
KASSON & MANTORVILLE TEL. CO.	1412	3
KASSON-MANTORVILLE TELEPHONE COMPANY - MN	5566	1
LEVEL 3 COMMUNICATIONS, LLC - MN	5256	14
LISMORE COOP. TEL. CO.	1419	1
LONSDALE TEL. CO., INC.	1422	1
MABEL COOP. TEL. CO. - IA	1424	1
MABEL TEL. COOP. CO. - MN	1421	1
MANCHESTER-HARTLAND TEL. CO.	1426	2
MCC TELEPHONY OF MINNESOTA, LLC - MN	719F	65
MCIMETRO ACCESS TRANSMISSION SERVICES LLC - MN	7783	2
MIDCONTINENT COMMUNICATIONS - MN	429A	6
MINNESOTA VALLEY TEL. CO., INC.	1439	3
NEW CINGULAR WIRELESS PCS, LLC - IL	6534	51
NEW ULM TELECOM, INC.	1442	3
NEW ULM TELECOM, INC. DBA NU-TELECOM - MN	840F	2
NORTHERN IOWA TEL. CO.	1259	1
ONVOY SPECTRUM, LLC	624H	1
ONVOY, LLC - MN	184D	32
OVATIONS COMMUNICATIONS OF MN	7908	2
PEERLESS NETWORK OF MINNESOTA, LLC - MN	107F	1
PINE ISLAND TEL. CO.	1454	2
QWEST CORPORATION	9631	71
RADIANTIQ LLC	566J	1
REDWOOD COUNTY TEL. CO.	1472	10
RS FIBER COOPERATIVE - MN	754H	2
SKYE TELECOM LLC DBA SKYETEL	622J	1
SLEEPY EYE TEL. CO.	1483	3
SOUTHWEST MINNESOTA BROADBAND SERVICES - MN	569G	1
SPRING GROVE COMMUNICATIONS	1485	1
SPRINT SPECTRUM, L.P.	6664	26
STRATUS NETWORKS	495J	1
TDS METROCOM, LLC - MN	7036	1
TEKSTAR COMMUNICATIONS, INC.	4156	2
TELEPORT COMMUNICATIONS AMERICA, LLC - MN	8405	2
TELNYX LLC	073H	4
TERRA NOVA TELECOM INC.	145J	1
THE EASTON TELEPHONE COMPANY	1384	3
TON80 COMMUNICATIONS, LLC	516J	3

MN 507 NPA Code Holder List

TWILIO INTERNATIONAL, INC.	506J	1
VONAGE AMERICA LLC	197D	1
WESTERN TEL. CO.	1502	2
WINNEBAGO COOP. TEL. ASSN. - MN	1338	4
WINNEBAGO COOPERATIVE TELEPHONE ASSOCIATION - MN	695E	2
WINTHROP TEL. CO.	1508	1
WOODSTOCK TEL. CO.	1510	5
YMAX COMMUNICATIONS CORP. - MN	322E	2
ZUMBROTA TEL. CO.	1515	1

Block holders with No CO Codes Assigned

Company	OCN
LOCAL ACCESS LLC - MN	221H
METROPCS, INC.	5562

Central Office Code Summary

<u>NPA</u>	<u>507</u>					
Assigned NXXs	732					
Reserved NXXs	0					
Unavailable NXXs	23					
Available NXXs	45	See Note				
Total	800					
<u>Codes Assignment History</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
507 NPA	11	8	12	21	21	14*
*As of June 14, 2022						
Exhaust:	Based on the April 2022 NRUF, the 507 NPA projected to exhaust in 1Q2025.					
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:	MN 507
MEETING DATE:	7/19/2022
POOL START DATE (PSD)	5/23/2002
RATE CENTERS	
<i># Total</i>	228
<i># Mandatory</i>	16
<i># Mandatory-Single Service Providers (M*)</i>	0
<i># Optional</i>	176
<i># Excluded</i>	36
BLOCKS ASSIGNED	
<i># Total</i>	237
<i>(For time period 8/01/21 - 6/14/22)</i>	
BLOCKS AVAILABLE	
<i>#Total</i>	927
<i>(As of preparation date: 6/14/22)</i>	
CODES ASSIGNED	
<i># Total</i>	25
<i># for Pool Replenishment</i>	23
<i># for Dedicated Customers</i>	0
<i># for LRNs</i>	2
<i>(For time period 8/01/21 - 6/14/22)</i>	
CODES FORECASTED	
<i># Total</i>	10
<i># for Pool Replenishment and Dedicated Customers</i>	10
<i># for LRNs</i>	0
<i>(For the next twelve months as of: 6/14/22)</i>	

Initial Planning Document
For
Relief of Minnesota 507 NPA
July 19, 2022

North American Numbering Plan Administrator

Cecilia McCabe
NPA Relief Planner

507 NPA Background Information

Relief Planning Background and Assumptions:

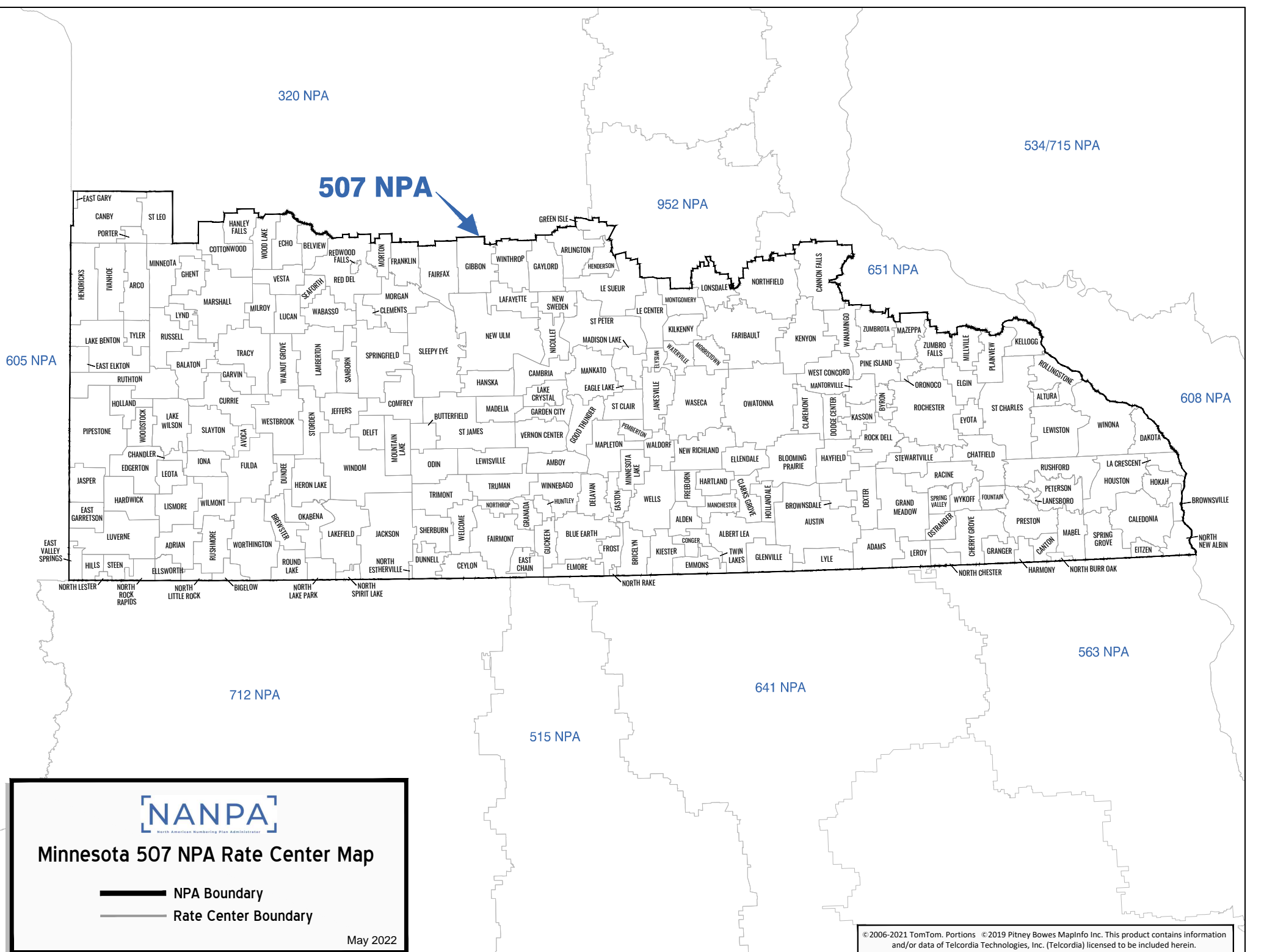
The 507 NPA has been in service since 1954 and was the first area code added to the original 218 and 612 NPAs to serve southern Minnesota. Cities in the 507 NPA include but are not limited to Rochester, Mankato, Worthington, Fairmont, Albert Lea, Northfield, Austin and other smaller communities. The Mississippi river serves as a natural border between southern Minnesota and Wisconsin. The 507 NPA is bordered on the north by the 320, 952 and 651 NPAs, to the east by the Wisconsin 608 NPA, to the south by the Iowa 563, 641, 515 and 712 NPAs and to the west by the South Dakota 605 NPA.

Exhaust Forecast:

The October 2021 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis (“October 2021 NRUF Report”), published by NANPA, indicated that the 507 NPA would exhaust during the second quarter of 2025. On March 29, 2022, a revised NRUF, also known as a delta NRUF, was issued showing the forecasted exhaust date had moved in to first quarter of 2025 due to an increase in CO code assignments and which is also the exhaust date shown in the April 2022 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis Report (“April 2022 NRUF Report”).

CURRENT DIALING PLAN

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



320 NPA

534/715 NPA

507 NPA

952 NPA

651 NPA

605 NPA

608 NPA

563 NPA

712 NPA

515 NPA

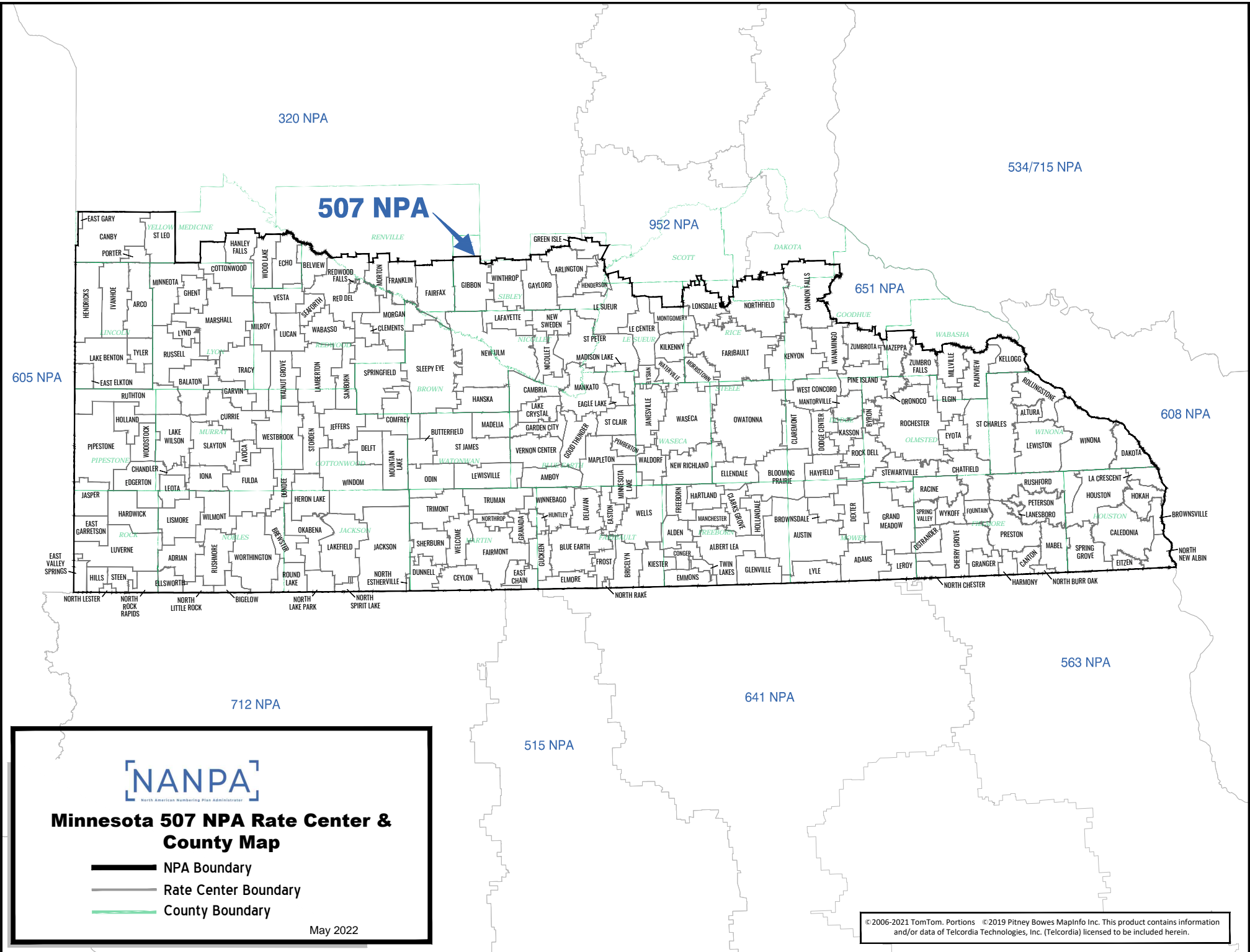
641 NPA



Minnesota 507 NPA Rate Center Map

- NPA Boundary
- Rate Center Boundary

May 2022



320 NPA

534/715 NPA

507 NPA

952 NPA

651 NPA

605 NPA

608 NPA

[NANPA]
North American Numbering Plan Administrator

Minnesota 507 NPA Rate Center & County Map

- NPA Boundary
- Rate Center Boundary
- County Boundary

May 2022

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507 Numbering Plan Area (NPA) - RELIEF ALTERNATIVES

MINNESOTA
NPA Born: 1954

NPA RELIEF ALTERNATIVES

OVERLAY ALTERNATIVE

ALTERNATIVE #1 – ALL-SERVICES DISTRIBUTED OVERLAY

The new NPA would be assigned to the same geographic area occupied by the existing 507 NPA. CO codes in the new NPA will be assigned upon request with the effective date of the new area code once all CO codes in the 507 NPA overlay have been exhausted. After exhaust of all CO codes in the 507 NPA, all future CO code assignments will be made in the new NPA. There are 228 rate centers in the 507 NPA and the projected life of this alternative would be 37 years.

ALTERNATIVE #2– GEOGRAPHIC SPLIT

The 507 NPA would be split into two geographic areas and a new NPA code would be assigned to one of the areas formed by the split. Within each NPA, seven-digit local dialing would be permitted but ten-digit local dialing will be required between the two NPAs. The proposed split boundary would split the 507 NPA as shown in the Alternative #2 split map and split rate center list. No recommendation is made for which side of the split line would receive the new NPA. The projected life would be:

Area A

Total CO Codes = 372
Total Rate Centers = 144
Area code life in years = 36

Area B

Total CO Codes = 360
Total Rate Centers = 84
Area code life in years = 41

MN 507 NPA Rate Center Split List

AREA A – 144 Rate Centers

Rate Center	Rate Center Full Name	Area
ADRIAN	ADRIAN	a
AMBOY	AMBOY	a
ARCO	ARCO	a
ARLINGTON	ARLINGTON	a
AVOCA	AVOCA	a
BALATON	BALATON	a
BELVIEW	BELVIEW	a
BIGELOW	BIGELOW	a
BLUE EARTH	BLUE EARTH	a
BREWSTER	BREWSTER	a
BRICELYN	BRICELYN	a
BUTTERFLD	BUTTERFIELD	a
CAMBRIA	CAMBRIA	a
CANBY	CANBY	a
CEYLON	CEYLON	a
CHANDLER	CHANDLER	a
CLEMENTS	CLEMENTS	a
COMFREY	COMFREY	a
COTTONWOOD	COTTONWOOD	a
CURRIE	CURRIE	a
DELAVAN	DELAVAN	a
DELFT	DELFT	a
DUNDEE	DUNDEE	a
DUNNELL	DUNNELL	a
E VLY SPG	EAST VALLEY SPRINGS	a
EAGLE LAKE	EAGLE LAKE	a
EAST CHAIN	EAST CHAIN	a
EAST GARY	EAST GARY	a
EASTELKTON	EAST ELKTON	a
EASTON	EASTON	a
ECHO	ECHO	a
EDGERTON	EDGERTON	a
EGARRETSON	EAST GARRETSON	a
ELLSWORTH	ELLSWORTH	a
ELMORE	ELMORE	a
ELYSIAN	ELYSIAN	a
FAIRFAX	FAIRFAX	a
FAIRMONT	FAIRMONT	a

MN 507 NPA Rate Center Split List

FRANKLIN	FRANKLIN	a
FROST	FROST	a
FULDA	FULDA	a
GARDENCITY	GARDEN CITY	a
GARVIN	GARVIN	a
GAYLORD	GAYLORD	a
GHENT	GHENT	a
GIBBON	GIBBON	a
GOODTHUNDR	GOOD THUNDER	a
GRANADA	GRANADA	a
GREEN ISLE	GREEN ISLE	a
GUCKEEN	GUCKEEN	a
HANLEY FLS	HANLEY FALLS	a
HANSKA	HANSKA	a
HARDWICK	HARDWICK	a
HENDERSON	HENDERSON	a
HENDRICKS	HENDRICKS	a
HERON LAKE	HERON LAKE	a
HILLS	HILLS	a
HOLLAND	HOLLAND	a
HUNTLEY	HUNTLEY	a
IONA	IONA	a
IVANHOE	IVANHOE	a
JACKSON	JACKSON	a
JANESVILLE	JANESVILLE	a
JASPER	JASPER	a
JEFFERS	JEFFERS	a
KIESTER	KIESTER	a
LAFAYETTE	LAFAYETTE	a
LAKEBENTON	LAKE BENTON	a
LAKEFIELD	LAKEFIELD	a
LAKEWILSON	LAKE WILSON	a
LAMBERTON	LAMBERTON	a
LE CENTER	LE CENTER	a
LE SUEUR	LE SUEUR	a
LEOTA	LEOTA	a
LEWISVILLE	LEWISVILLE	a
LISMORE	LISMORE	a
LK CRYSTAL	LAKE CRYSTAL	a
LUCAN	LUCAN	a

MN 507 NPA Rate Center Split List

LUVERNE	LUVERNE	a
LYND	LYND	a
MADELIA	MADELIA	a
MADISON LK	MADISON LAKE	a
MANKATO	MANKATO	a
MAPLETON	MAPLETON	a
MARSHALL	MARSHALL	a
MILROY	MILROY	a
MINNEOTA	MINNEOTA	a
MINNESOTLK	MINNESOTA LAKE	a
MORGAN	MORGAN	a
MORTON	MORTON	a
MOUNTAINLK	MOUNTAIN LAKE	a
NEW SWEDEN	NEW SWEDEN	a
NEW ULM	NEW ULM	a
NICOLLET	NICOLLET	a
NO LESTER	NORTH LESTER	a
NOESTHERVL	NORTH ESTHERVILLE	a
NOLAKEPARK	NORTH LAKE PARK	a
NOLTL ROCK	NORTH LITTLE ROCK	a
NORKRAPIDS	NORTH ROCK RAPIDS	a
NORTH RAKE	NORTH RAKE	a
NORTHROP	NORTHROP	a
NOSPIRITLK	NORTH SPIRIT LAKE	a
ODIN	ODIN	a
OKABENA	OKABENA	a
PEMBERTON	PEMBERTON	a
PIPESTONE	PIPESTONE	a
PORTER	PORTER	a
RED DEL	RED DEL	a
REDWOODFLS	REDWOOD FALLS	a
ROUND LAKE	ROUND LAKE	a
RUSHMORE	RUSHMORE	a
RUSSELL	RUSSELL	a
RUTHTON	RUTHTON	a
SANBORN	SANBORN	a
SEAFORTH	SEAFORTH	a
SHERBURN	SHERBURN	a
SLAYTON	SLAYTON	a
SLEEPY EYE	SLEEPY EYE	a

MN 507 NPA Rate Center Split List

SPRINGFLD	SPRINGFIELD	a
ST CLAIR	ST CLAIR	a
ST JAMES	ST JAMES	a
ST LEO	ST LEO	a
ST PETER	ST PETER	a
STEEN	STEEN	a
STORDEN	STORDEN	a
TRACY	TRACY	a
TRIMONT	TRIMONT	a
TRUMAN	TRUMAN	a
TYLER	TYLER	a
VERNON CTR	VERNON CENTER	a
VESTA	VESTA	a
WABASSO	WABASSO	a
WALDORF	WALDORF	a
WALNUT GRV	WALNUT GROVE	a
WELCOME	WELCOME	a
WELLS	WELLS	a
WESTBROOK	WESTBROOK	a
WILMONT	WILMONT	a
WINDOM	WINDOM	a
WINNEBAGO	WINNEBAGO	a
WINTHROP	WINTHROP	a
WOOD LAKE	WOOD LAKE	a
WOODSTOCK	WOODSTOCK	a
WORTHINGTN	WORTHINGTON	a

MN 507 NPA Rate Center Split List

AREA B – 84 Rate centers

Rate Center	Rate Center Full Name	Area
ADAMS	ADAMS	b
ALBERT LEA	ALBERT LEA	b
ALDEN	ALDEN	b
ALTURA	ALTURA	b
AUSTIN	AUSTIN	b
BLOOMNPRRI	BLOOMING PRAIRIE	b
BROWNSDALE	BROWNSDALE	b
BROWNSVL	BROWNSVILLE	b
BYRON	BYRON	b
CALEDONIA	CALEDONIA	b
CANNON FLS	CANNON FALLS	b
CANTON	CANTON	b
CHATFIELD	CHATFIELD	b
CHERRY GRV	CHERRY GROVE	b
CLAREMONT	CLAREMONT	b
CLARKS GRV	CLARKS GROVE	b
CONGER	CONGER	b
DAKOTA	DAKOTA	b
DEXTER	DEXTER	b
DODGE CTR	DODGE CENTER	b
EITZEN	EITZEN	b
ELGIN	ELGIN	b
ELLENDALE	ELLENDALE	b
EMMONS	EMMONS	b
EYOTA	EYOTA	b
FARIBAULT	FARIBAULT	b
FOUNTAIN	FOUNTAIN	b
FREEBORN	FREEBORN	b
GLENVILLE	GLENVILLE	b
GRAND MDW	GRAND MEADOW	b
GRANGER	GRANGER	b
HARMONY	HARMONY	b
HARTLAND	HARTLAND	b
HAYFIELD	HAYFIELD	b
HOKAH	HOKAH	b
HOLLANDALE	HOLLANDALE	b

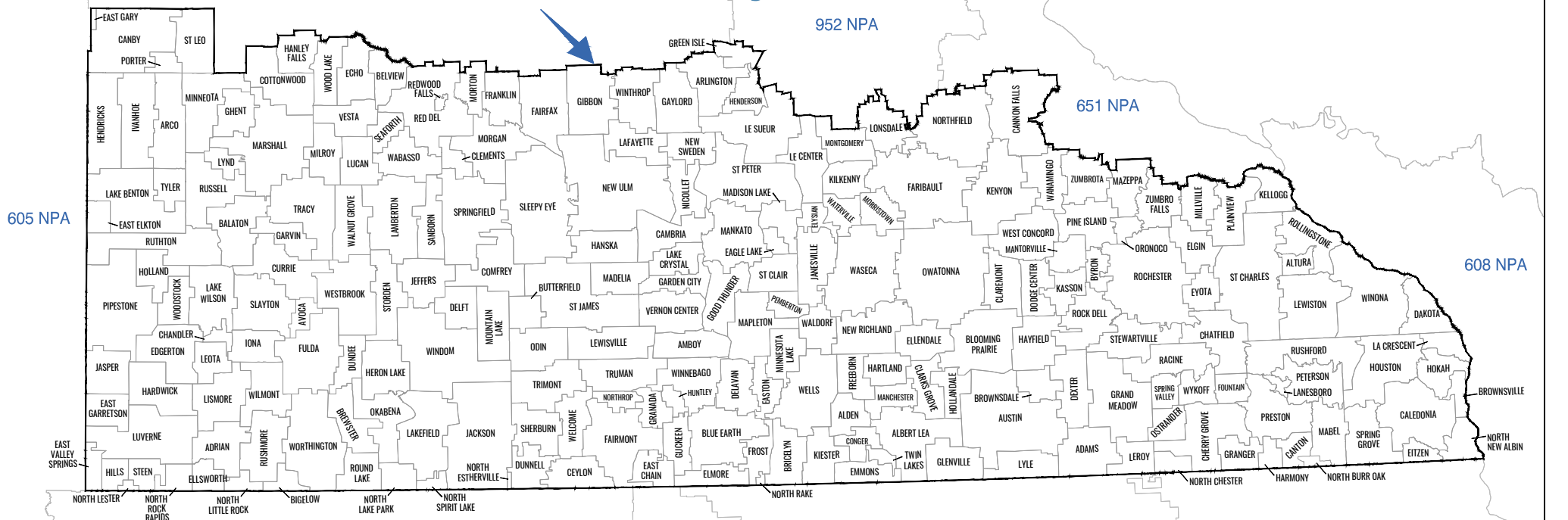
MN 507 NPA Rate Center Split List

HOUSTON	HOUSTON	b
KASSON	KASSON	b
KELLOGG	KELLOGG	b
KENYON	KENYON	b
KILKENNY	KILKENNY	b
LACRESCENT	LA CRESCENT	b
LANESBORO	LANESBORO	b
LEROY	LEROY	b
LEWISTON	LEWISTON	b
LONSDALE	LONSDALE	b
LYLE	LYLE	b
MABEL	MABEL	b
MANCHESTER	MANCHESTER	b
MANTORVL	MANTORVILLE	b
MAZEPPA	MAZEPPA	b
MILLVILLE	MILLVILLE	b
MONTGOMERY	MONTGOMERY	b
MORRISTOWN	MORRISTOWN	b
NEW RICHLD	NEW RICHLAND	b
NO CHESTER	NORTH CHESTER	b
NOBURR OAK	NORTH BURR OAK	b
NONEWALBIN	NORTH NEW ALBIN	b
NORTHFIELD	NORTHFIELD	b
ORONOCO	ORONOCO	b
OSTRANDER	OSTRANDER	b
OWATONNA	OWATONNA	b
PETERSON	PETERSON	b
PINEISLAND	PINE ISLAND	b
PLAINVIEW	PLAINVIEW	b
PRESTON	PRESTON	b
RACINE	RACINE	b
ROCHESTER	ROCHESTER	b
ROCK DELL	ROCK DELL	b
ROLLINGSTN	ROLLINGSTONE	b
RUSHFORD	RUSHFORD	b
SPRING GRV	SPRING GROVE	b
SPRING VLY	SPRING VALLEY	b
ST CHARLES	ST CHARLES	b
STEWARTVL	STEWARTVILLE	b
TWIN LAKES	TWIN LAKES	b

MN 507 NPA Rate Center Split List

W CONCORD	WEST CONCORD	b
WANAMINGO	WANAMINGO	b
WASECA	WASECA	b
WATERVILLE	WATERVILLE	b
WINONA	WINONA	b
WYKOFF	WYKOFF	b
ZUMBRO FLS	ZUMBRO FALLS	b
ZUMBROTA	ZUMBROTA	b

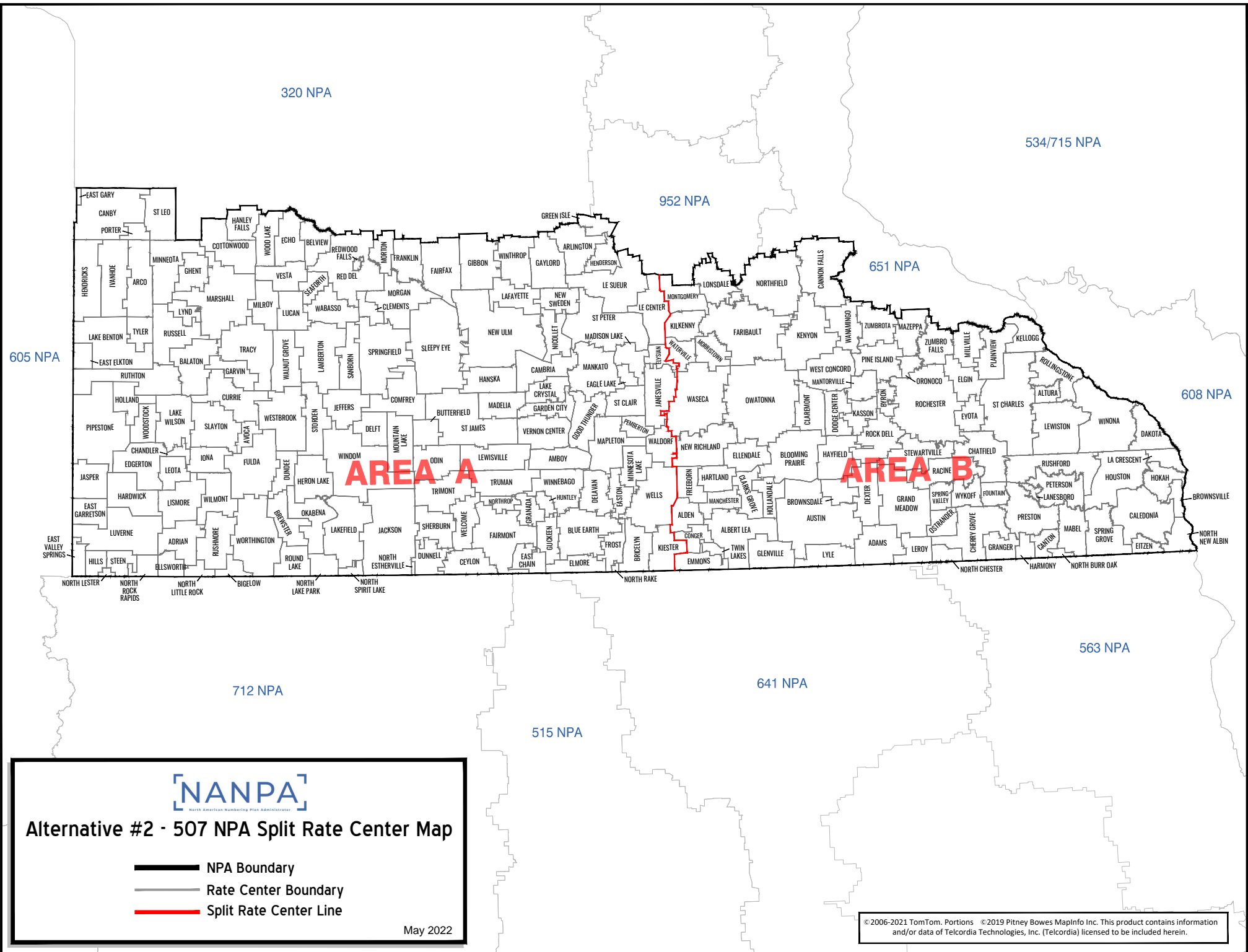
507 NPA & New NPA Overlay



Minnesota 507- Alternative #1 - All-Services Overlay

- NPA Boundary
- Rate Center Boundary

May 2022



Alternative #2 - 507 NPA Split Rate Center Map

- NPA Boundary
- Rate Center Boundary
- Split Rate Center Line

May 2022

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EXHIBIT B



August 4, 2022

To: All 507 NPA Code Holders and Interested Industry Members (Minnesota)

Subject: Final Minutes of the Initial Planning Meeting for the 507 NPA

Attached are the final minutes from the July 19, 2022, Minnesota 507 NPA Initial Planning meeting. These minutes became final on August 3, 2022.

If you have any questions, please give me a call at (925) 420-0130 or contact me by email at cmccabe@nanpa.com.

Sincerely,

Cecilia McCabe
NPA Relief Planner
NANPA

cc: Marc Fournier - Minnesota Public Utilities Commission
Greg Doyle - Minnesota Department of Commerce

**MINNESOTA 507 NPA
INITIAL RELIEF PLANNING MEETING
VIA WEB CONFERENCE
FINAL MINUTES
July 19, 2022**

WELCOME, INTRODUCTIONS & AGENDA REVIEW

Cecilia McCabe, NPA Relief Planner–NANPA, welcomed the participants and reviewed the objective of the meeting. A list of attendees can be found in Attachment #1. Cecilia then reviewed the agenda.

REVIEW CONSENSUS PROCESS

Cecilia 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.

NANPA’s ROLE AND RESPONSIBILITIES

Cecilia reviewed NANPA’s role and responsibilities for the meeting as follows:

- Starts the relief planning process 36 months prior to exhaust of the NPA.
- Distributes the Initial Planning Document (“IPD”) to the Minnesota telecommunications industry (“Industry”) at least four weeks prior to the first industry meeting, which was completed on June 20, 2022.
- The main objective is to reach consensus on the relief alternative to be included in the petition.
- Determines any additional items to include in the relief filing with the Minnesota Public Utilities Commission (“Commission”) such as the implementation intervals, dialing plan, and compliance 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 has reviewed the draft petition and 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 NPA RELIEF PLANNING GUIDELINES

Cecilia reviewed pertinent sections of the NPA Code Relief Planning and Notifications Guidelines ATIS-0300061 (“Guidelines”). Section 5 of the Guidelines state: “The NRUF and other available resources are used to identify projected NPA exhaust. NANPA shall prepare relief options for each NPA projected to exhaust within thirty-six months.”

Section 5.0 of the Guidelines also state: “The relief options shall cover a period of at least 15 years beyond the predicted date of exhaust, and may cover more than one relief activity, if necessary, during the time frame. If the only viable relief option is less than 15 years from the

predicted date of exhaust, then NANPA shall provide this relief option.”

Cecilia reviewed section 6.1 of the Guidelines regarding an NPA split which states:

“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.”

Cecilia also reviewed Section 6.3 of the Guidelines regarding an all-services distributed overlay which states:

“An all-services distributed 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. 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 all-services distributed 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 eliminates the need for a permissive dialing period as part of implementation. In areas where mandatory 10-digit local dialing is already in place, an overlay eliminates the need for a permissive dialing period as part of implementation. Other potential implementation strategies have been identified for an all-services overlay, but they tend to provide shorter-term relief and/or may require additional technical work for some SPs..”

Cecilia 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 completed at least six (6) months prior to the projected exhaust of the NPA, but in extraordinary situations, at least three (3) months before the existing NPA would exhaust under the highest growth projections. For overlays, relief is completed when mandatory 10-digit local dialing has been implemented and the new NPA becomes effective.”

Cecilia also referred the industry participants to Annex B of the Guidelines which lists issues to be considered during NPA relief planning, and Annex E which lists general attributes of the most common relief alternatives.

Cecilia stated that the referenced sections of the Guidelines can be downloaded from the ATIS web site at: www.atis.org.

Cecilia also reviewed:

- Relief Planning Meeting Aids
- 507 Rate center List
- 507 Code holder list

RELIEF PLANNING BACKGROUND AND ASSUMPTIONS

The 507 NPA has been in service since 1954 and was the first area code added to the original 218 and 612 NPAs to serve southern Minnesota. Cities in the 507 NPA include but are not limited to Rochester, Mankato, Worthington, Fairmont, Albert Lea, Northfield, Austin and other smaller communities. The Mississippi river serves as a natural border between southern Minnesota and Wisconsin. The 507 NPA is bordered on the north by the 320, 952 and 651 NPAs, to the east by the Wisconsin 608 NPA, to the south by the Iowa 563, 641, 515 and 712 NPAs and to the west by the South Dakota 605 NPA.

EXHAUST FORECAST

The October 2021 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis (“October 2021 NRUF Report”), published by NANPA, indicated that the 507 NPA would exhaust during the second quarter of 2025. On March 29, 2022, a revised NRUF, also known as a delta NRUF, was issued showing the forecasted exhaust date had moved in to first quarter of 2025 due to an increase in Central Office (“CO”) code assignments and which is also the exhaust date shown in the April 2022 NRUF (Numbering Resource Utilization/Forecast) and NPA Exhaust Analysis Report (“April 2022 NRUF Report”).

NPA STATUS

507 NPA: As of July 18, 2022, the 507 NPA has 732 CO codes assigned, 45 CO codes available for assignment and 23 unavailable CO codes. There are 92 total service providers in the 507 NPA, two of those service providers have only thousands-blocks assigned. (See Attachment #2)

THOUSANDS-BLOCK INFORMATION

Cecilia reported that in the 507 NPA, pooling commenced May 23, 2002. There are 228 rate centers of which 16 are mandatory for pooling, 176 are optional and 36 are excluded from pooling. In the period of August 1, 2021 to July 18, 2022, 257 blocks have been assigned and 25 codes were assigned in the same period; 23 for pool replenishment and two (2) for LRNs. As of July 18, 2022 there are 1,082 blocks available for assignment to service providers. The forecasted demand for the next twelve months is one (1) CO code for pool replenishment and dedicated customers and two (2) for LRNs. (See Attachment #3)

Cecilia also reviewed a current rate center map of the MN 507 NPA as well as a rate center map with county boundaries.

REVIEW OF RELIEF PLANNING OPTIONS

Cecilia presented two relief alternatives for the 507 NPA:

ALTERNATIVE #1 – ALL-SERVICES DISTRIBUTED OVERLAY

The new NPA would be assigned to the same geographic area occupied by the existing 507 NPA. Customers would retain their current telephone numbers, however, 10-digit local dialing by all customers within and between NPAs in the affected area would be required. CO codes in the

new NPA will be assigned upon request with the effective date of the new area code once all CO codes in the 507 NPA overlay have been assigned. There are 228 rate centers in the 507 NPA and the projected life of this alternative would be 37 years.

ALTERNATIVE #2 – GEOGRAPHIC SPLIT

The 507 NPA would be split into two distinct geographic areas with one area keeping the 507 NPA and a new NPA code assigned to the other area. Within each NPA, seven-digit local dialing would be permitted but ten-digit local dialing will be required between the two NPAs. The proposed split boundary would split the 507 NPA as shown in the Alternative #2 split map and split rate center list. No recommendation is made for which side of the split line would receive the new NPA. The projected life for Alternative #2 would be:

<u>Area A</u>	<u>Area B</u>
Total CO Codes = 372	Total CO Codes = 360
Total Rate Centers = 144	Total Rate Centers = 84
Area code life in years = 36	Area code life in years = 41

Cecilia reviewed the rate center split list as well as maps of both alternatives.

CONSENSUS ON THE RELIEF ALTERNATIVE

The Industry discussed the pros and cons of each relief alternative to determine which would be recommended to the Commission. Marc Fornier, of the Commission, stated that he did not believe an NPA split caused customers to lose their geographic identity because each side of the split would establish new geographic identities. He stated that the split causes only a temporary headache but has worked out well in all other past Minnesota projects. Industry participants stated that the community of interest would remain intact with the overlay because the geographic area would not change and existing customers would retain their current NPA.

A proposal was made to recommend Alternative #1, an All-Services Distributed Overlay, due to the pros and cons that were discussed as well as having fewer technical issues to implement than Alternative #2. After further discussion, consensus was reached among the Industry members to recommend Alternative #1, the All-Services Distributed Overlay, and will be included as the Industry’s choice of relief in the petition filed with the Commission..

The All-Services Distributed Overlay was the Industry’s preferred form of relief due to the following pros and cons listed below:

Alternative #1 - All-Services Distributed Overlay Pros:

1	All existing customers would retain the 507 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	Less customer confusion and easier education process.
4	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.
5	Residential customers do not have to update personal printed material such as checks and websites, etc. unless they currently show 7-digit numbers.
6	Provides the most efficient distribution of numbering resources by allowing assignments to follow demand notwithstanding forecasts for growth.
7	No need for synchronization of old and new NPAs in NPAC databases.
8	Minimizes call routing issues, especially with ported numbers.
9	Easier for service providers to implement from a translations, billing and service order system perspective.
10	Minimal data entries handled in national databases such as BIRRDs, LERG and the Terminating Point Master Table
11	The Commission would not have to decide which side gets the new NPA, so no winners and losers.
12	Does not split cities or counties into different area codes.
13	Keeps communities of interest intact.
14	No impact on some wireless carriers that have to reprogram handsets manually.
15	No technical impacts to number portability, text messaging or multimedia messaging.
16	An all-services distributed overlay is simpler to implement from both a technical and customer education perspective.
17	Helps move customers toward nationwide 10-digit dialing.
18	Transitioning to 10-digit local dialing will enable CO codes protected for 7d routes to be released for assignment.

Alternative #1 - All-Services Distributed Overlay Cons:

1	Consistent with FCC regulations, the relief plan would require 10-digit dialing for all local calls within and between the 507 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 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.

Alternative #2 NPA Split Pros:

1	Maintains seven digit dialing for local calls within the same NPA
2	Approximately ½ of customers would experience no change if they keep the 507 NPA

Alternative #2 NPA Split Cons:

1	Requires approximately half of 507 NPA customers to change their area code, thus creating winners and losers.
2	Financial impact to half of businesses to incur costs to change their advertising for telephone #'s and stationery if currently show 10-digit telephone numbers or are close to the split line.
3	Difficult Commission decision on which side retains the old NPA.
4	Longer time period needed for service providers to implement this type of relief.
5	Customers whose numbers change must contact friends, family and business associates with the telephone changes.
6	More complicated and costly to implement for service providers in their billing, translations and database systems.
7	Negative impacts to E911, industry and alarm system databases that must be updated with customers' new telephone numbers.
8	Negative impact to directories and directory assistance databases that must be updated with customers' new telephone numbers.
9	Timing of publication of telephone directories must be coordinated with the implementation of the new NPA.
10	Split has a larger impact to greater number of existing customers due to change in existing customers' telephone numbers.
11	Split requires significant challenges to service provider's operational support systems and network elements.
12	Splits cause customer confusion with caller ID during implementation.
13	Older wireless handsets without over-the-air programming must be manually programmed for those numbers that are changing.
14	Splits require the old and new NPAs to be synchronized with the NPAC database to ensure accurate call routing and facilitation of port requests.
15	Splits require a more challenging customer education process for service providers that have customers on both sides of the split line.
16	Splits require the 800/SMS database to be updated.
17	Splits reduce the geographic area served by one area code.
18	Splits the city(s), counties or legislative districts into different area codes.

19 Splits communities of interest.
20 For some wireless carriers, text messaging and multimedia service can only handle one version of the 10-digit number so they will fail if they are sent using the old area code during permissive dialing.
21 The last split implemented was 15 years ago. There is additional complexity to implement a split now due to changing technologies. Any lessons learned during the implementation of the last split may now be obsolete.

CONSENSUS ON DIALING PLAN AND IMPLEMENTATION INTERVALS

There was discussion regarding the dialing plan. A recommendation was made, and consensus was reached to include the following dialing plan as the dialing plan that will be applied to the 507 NPA with the implementation of an All-Services Distributed Overlay. There was discussion about whether Extended Area Service (“EAS”) should be included in the dialing plan. It was stated that EAS is in place and therefore it should be included in the dialing plan.

There was additional discussion and consensus was reached to also include a note stating 1+10 permissive dialing is permitted at the service provider’s discretion.

Consensus was reached on the following dialing plan:

Dialing Plan for the 507 all-services distributed overlay:

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA) or 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 permissive dialing at service provider’s discretion

IMPLEMENTATION

After discussion on a suggested implementation schedule, consensus was reached on a 13-month implementation schedule as follows:

EVENT	TIMEFRAME
Network Preparation Period	6 months
Permissive 10-Digit Dialing and Customer Education Period	6 months

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

**CO codes in the new NPA will not be assigned until all available codes in the existing 507 NPA are exhausted.*

CUSTOMER EDUCATION AND TECHNICAL MILESTONES:

A recommendation was made, and consensus was reached to include the following *Customer Education and Technical Milestones* for the 507 NPA All-Services Distributed Overlay implementation.

Customer Milestones:

	Responsibility
1 Issue first customer notification (e.g., bill messages, bill inserts, direct mail, text messaging, email)	All Service Providers
2 Issue initial press release	Commission and Service Providers that have the ability (If necessary)
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 the consumers of 10-digit dialing and the new area code.	Service Providers that publish directories
Permissive 7 and 10-Digit Dialing Begins	
7 Issue second customer notification(e.g., bill messages, bill inserts, direct mail, text messaging, email)	All Service Providers
8 Send Special letters to Alarm and Safety, Directory, Pay Telephone & PSAPs.	Co-chairs of industry committee
9 Update social media with information regarding overlay	All Service Providers
10 Update websites with information	All Service Providers

regarding overlay	
11 Issue second (Mandatory) press release	Commission and Service Providers that have the ability

Technical Milestones:

	Responsibility
1 Obtain industry test code from NANPA and activate the test number.	One Service Provider volunteer
2 Open the test code in carriers' network.	All Service Providers
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.	All Service Providers
4 Ensure Highway boxes are programmed with 10-digit dialing.	Co-chairs of industry committee
5 Network ready for Permissive Dialing	All Service Providers
6 Create Permissive Dialing Industry Contact List	Co-chairs of industry committee
Permissive Dialing Begins	
7 Establish NPA Specific type of Trunks	All Service Providers (if needed)
8 Completion of 10-digit signaling transition between carriers' networks	All Service Providers
9 Require email from service providers when the 10-digit signaling transition between carriers' networks has been completed.	All Service Providers
10 Update on all speed calling, call forwarding numbers and voicemail options in embedded database to reflect 10-digit dialing	All Service Providers
11 Recorded announcements in Place and Tested	All Service Providers
<u>E911 Work Plan</u>	
12 Confirm new ESN/NPD has been established for the new NPA	E911 Providers
13 Ensure SRDB table has new NPA built in	E911 Providers

14 Notify PSAPs, PSALI customers and County Coordinators (1 st and 2 nd Notification)	E911 Providers
15 Review and Submit CLEC Trunk Order Requests to local provider if needed	All Service Providers (if needed)
16 Update PSAP equipment	PSAPs
17 Trunk Orders Complete	All Service Providers (if needed)
18 Build E911 Network/Tandem Translations	E911 Providers
19 Verify if all PSAP work has been completed	E911 Providers
20 Activate E911 Network/Tandem Translations	E911 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.

OPEN DISCUSSION AND STATEMENTS FOR THE RECORD

Marc Fornier of the Commission stated that he objected to some of the items in which the Industry reached consensus in the pros and cons of each relief alternative and did not want his silence to be perceived as agreement.

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 (August 30, 2022) of the initial relief planning meeting unless otherwise decided by the Industry. NANPA will post a draft petition no later than August 9, 2022, and the Industry will reach consensus on the final petition at a meeting scheduled for August 16, 2022.

Cecilia reviewed the following schedule for the remaining activities until the MN 507 NPA petition is filed with the Commission.

MN 507 NPA Relief Planning Schedule

August 2 – Draft Minutes Posted via NNS
August 9 – Final Minutes Posted via NNS
August 9 – Post Draft Petition via NNS
August 16 – Draft Petition Review Meeting (10:30 AM Central Time)
August 30– File Petition with Commission

MEETING MINUTES APPROVAL

Consensus was reached that the draft minutes resulting from this meeting will be distributed to the industry no later than August 2, 2022. Any changes or corrections are to be submitted to Cecilia via email at cmccabe@nanpa.com no later than one week after the minutes are posted to

the NANP Administration System (NAS) on the NANPA website when the minutes will become final.

The meeting was adjourned

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These minutes became final on August 3, 2022.

**Minnesota 507 NPA
Initial Relief Planning Meeting via Web Conference
July 19, 2022
Participants**

NAME	COMPANY
Jeanne Bell	AllStream
Sharon Poer	AT&T
Rita Schmitz	CenturyLink/Lumen
Kathy Rogers	DISH Wireless
Melinda Yost	DISH Wireless
Judy Geise	Frontier
Daniel DeBroux	Hiawatha Broadband
Lori Deal	ITCI
Cecilia McCabe	NANPA
Heidi Wayman	NANPA
Linda Hymans	NANPA
Florence Weber	NANPA
Marc Fournier	Minnesota Public Utilities Commission
Sally Anne McShane	Minnesota Public Utilities Commission
John Dybvig	Minnesota Public Utilities Commission
Pa Stelzner	Minnesota Public Utilities Commission
Paul Nejedlo	TDS
Anne Chism	TDS
Karen Riepenkroger	T-Mobile
Shaunna Forshee	T-Mobile
Chanda Brown	Verizon
Laura Dalton	Verizon
Dana Crandall	Verizon Wireless
Michael Ortega	Vonage

Central Office Code Summary

<u>NPA</u>	<u>507</u>					
Assigned NXXs	732					
Reserved NXXs	0					
Unavailable NXXs	23					
Available NXXs	45	See Note				
Total	800					
<u>Codes Assignment History</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
507 NPA	11	8	12	21	21	14*
*As of July 18, 2022						
Exhaust:	Based on the April 2022 NRUF, the 507 NPA projected to exhaust in 1Q2025.					
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:	MN 507
MEETING DATE:	7/19/2022
POOL START DATE (PSD)	5/23/2002
RATE CENTERS	
<i># Total</i>	228
<i># Mandatory</i>	16
<i># Mandatory-Single Service Providers (M*)</i>	0
<i># Optional</i>	176
<i># Excluded</i>	36
BLOCKS ASSIGNED	
<i># Total</i>	257
<i>(For time period 8/01/21 - 7/18/22)</i>	
BLOCKS AVAILABLE	
<i>#Total</i>	1082
<i>(As of preparation date: 7/18/22)</i>	
CODES ASSIGNED	
<i># Total</i>	25
<i># for Pool Replenishment</i>	23
<i># for Dedicated Customers</i>	0
<i># for LRNs</i>	2
<i>(For time period 8/01/21 - 7/18/22)</i>	
CODES FORECASTED	
<i># Total</i>	3
<i># for Pool Replenishment and Dedicated Customers</i>	1
<i># for LRNs</i>	2
<i>(For the next twelve months as of: 7/18/22)</i>	