

Section 3

NANP Administration

NANPA is responsible for management, administration, and assignment of all designated numbering resources within the NANP.

The following list identifies NANP numbering resources that fall under NANPA's direct responsibility and management:

- NPA Codes
- CO (NXX) Codes
- International Inbound NPA 456 NXX Codes
- Personal Communications Service (PCS)/N00 Codes (500)
- Easily Recognizable Code (ERC) 900 NXX Codes
- Service Codes N11 Code (reporting only)
- Hearing Impairment Codes 800 855-XXXX line numbers
- Information Services Codes 555-XXXX line numbers
- Carrier Identification Codes (CICs)
- Vertical Service Codes (VSCs)
- Automatic Number Identification Information Integers (ANI II) Digits
- Non-Dialable Toll Points (NPAs 886 and 889)
- Additional numbering resources, as may be defined.

The sections that follow describe each resource, and summarize NANPA's responsibilities. NANPA is also required to report the status of each resource.

3.1 Numbering Plan Areas (NPAs)

NPA refers to an area code that is the first three digits of a telephone number.

NPAs are classified as either geographic or non-geographic:

- Geographic NPAs are NPAs that correspond to discrete geographic areas within the NANP area.

- Non-geographic NPAs are NPAs that do not correspond to discrete geographic areas, but which are instead assigned for services with attributes, functions, or requirements that transcend specific geographic boundaries.

States within the United States have delegated area code relief authority and may have unique directives and legal requirements associated with approval and implementation of any NPA relief activity.

NANPA is responsible for assigning NPAs when the criteria for such an assignment have been met.

NANPA shall ensure that an NPA assignment conforms to regulatory directives and NPA relief plans (*e.g.*, FCC and state commissions) and industry guidelines (*e.g.*, INC).

3.2 Central Office (CO) Codes

The three digits after the NPA are referred to as the CO Code. NANPA shall monitor the actual and forecasted assignment of CO Codes through the Months-to-Exhaust (MTE) form filed with each CO Code application.

In addition, forecast and utilization data are submitted to NANPA by reporting service providers in the Number Resource Utilization and Forecasting (NRUF) Report. This information is used to plan for the assignment of new NPA codes when existing NPA codes near exhaust (*i.e.*, additional telephone numbers are required to serve projected demand). The NANP administration function also includes consultation with affected service providers and state commission when the depletion of central office codes necessitates relief.

3.3 International Inbound NPA—456 NXX Codes

The 456 NPA and its associated NXXs enable the routing of inbound international calls for carrier specific services, particular to that service provider's network. NANPA shall assign the NXXs within this NPA.

The procedures and guidelines are described in International Inbound NPA (INT/NPA/NXX) Assignment Guidelines (INC 94-0826-003).

3.4 Personal Communications Service (PCS)/N00 (NPA 500) NXX Codes

PCS NPA 500 is a non-geographic numbering resource that offers the user a set of capabilities that allows some combination of personal mobility, terminal mobility, and service profile management. A PCS 500-NXX-XXXX number enables each PCS service user to participate in a user-defined set of subscribed services, and to initiate and/or receive calls on the basis of some combination of a personal number, terminal number, and a service profile across multiple networks at any terminal, fixed or mobile, irrespective of geographic

location. Service is limited only by terminal and network capabilities and restrictions imposed by the personal communications service provider.

NANPA shall manage, assign and administer NXX codes in NPA 500 pursuant to regulatory directives and INC assignment guidelines.

NANPA shall reclaim 500 NXX codes assigned to entities that fail to meet the terms specified in the assignment guidelines and /or by directives from the appropriate regulatory authorities.

3.5 Easily Recognizable Code (ERC) Code 900 NXX Codes

The 900 NPA is an ERC used for information services in which the caller pays for call setup and the specific services associated with the 900 call. The 900 NXX codes shall be assigned and used only for pay-per-call information services. The codes, referred to as "Pay-Per-Calls," may be accessed by the public over the PSTN using the dialing format 900-NXX-XXXX, in which the caller pays for the call.

NANPA shall reclaim 900 NXX codes assigned to entities that fail to meet the terms specified in the assignment guidelines and /or by directives from the appropriate regulatory authorities.

3.6 N11 Service Codes

Codes in the N11 format (e.g., 911) are referred to as Service Codes. There are eight N11 service codes available in the NANP. The FCC determined the uses of N11 codes, which have been assigned as follows:

211	Community Information and Referral Services
311	Non-emergency Police and Other Governmental Services (U.S.)
511	Traffic and Transportation Information (U.S.)
711	Telecommunications Relay Service (TRS)
911	Emergency

The 411, 611 and 811 codes have not been assigned by the FCC. Carriers, however, use the 411, 611, and 811 codes for access to their directory assistance, repair services, and business offices, respectively. Unassigned codes may also be assigned locally with the understanding that a local assignment shall be discontinued, on short notice, if the unassigned codes are

requested for nationally assigned purposes. Some U.S. states have permitted local use of certain N11 codes, pending FCC designated assignments.

In Canada, the assignment of the N11 codes is generally consistent with the table above, except for code 311 which has not been assigned and 511 which has been conditionally reserved for Telecommunications Relay Service (TRS). However, an application is before the Canadian Radio Television & Telecommunications Commission (CRTC) to use 511 for Traffic and Transportation Information.

Other NANP member countries may in the future designate specific uses for N11 codes within their jurisdictions.

3.7 Hearing Impairment Codes—800 855 XXXX Line Numbers

Line numbers from the 800 855-XXXX are used for assisting persons with hearing impairments. These numbers are assigned individually at the line level. NANPA shall administer line numbers within the 800-855-XXXX resource with respect to services for persons with hearing impairments. Other NANP member countries may designate specific uses for 800-855-XXXX line numbers in the future.

3.8 Information Services Codes—555 XXXX Line Numbers

The 555 NXX code appears (referred to as "555 numbers" in the form NPA-555-XXXX) in all geographic NPAs for access to information services. The guidelines permit a subscriber to dial a 555-XXXX number in any NPA in North America using either a 7-digit or a 10-digit format.

Line numbers from the 555 NPA are assigned either on a national or non-national basis. National assignment means that the number is assigned exclusively to a single entity to be used in at least 30% of the available NPAs or states or provinces in the NANP serving area. Non-national assignment means that the number is assigned to an entity for use in a specific geographic area or areas (NPAs, states, or provinces) to be used in fewer than 30% of the available NPAs or states or provinces in the NANP serving area. "Non-national" numbers are available for assignment to multiple entities, requiring those entities to use the "non-national" number in different geographic areas.

NANPA shall reclaim 555 NXX codes assigned to entities that fail to meet the terms specified in the assignment guidelines and /or by directives from the appropriate regulatory authorities.

3.9 Carrier Identification Codes (CICs)

Currently a CIC is a four-digit number, which is used to uniquely identify an access customer who has purchased Feature Group B and/or Feature Group D access services. The code is

primarily used for routing from a local network to the access purchaser and for billing between the local network and the access purchaser.

NANPA shall manage and assign CICs. NANPA shall also reclaim all CICs assigned to entities that fail to meet the terms specified in the assignment guidelines. Reclamation occurs most often because the entity to which the CIC has been assigned does not obtain access within the six-month period specified in the assignment guidelines.

NANPA shall reclaim CIC codes assigned to entities that fail to meet the terms specified in the assignment guidelines and /or by directives from the appropriate regulatory authorities.

3.10 Vertical Service Codes (VSC)

VSC are standardized codes dialed by customers to access network features and services (*e.g.*, call forwarding) provided by network service providers. These codes appear in the *XX or *2XX format. NANPA shall assign, manage, and approve new VSC assignment requests.

3.11 Automatic Number Identification (ANI) II Digits

ANI II digits are two digits that are sent with the originating telephone number identifying the type of originating station (*e.g.*, plain old telephone service (POTS), hotel/motel). NANPA shall assign the digits and track the assignments.

ANI II digits are assigned by NANPA at the request of the INC. The assignment of an ANI II digit does not imply its ubiquitous availability.

3.12 Non-Dialable Toll Points (Numbering Plan Areas 886 and 889)

Non-Dialable Toll Points are central office codes assigned to individual stations, which typically are in extremely remote areas where standard telephone service is not available. Assignment of codes for non-dialable toll points is limited to the 886 and 889 NPA's. Beyond this constraint, however, there exist no formal guidelines for the assignment of these codes, and NANPA is not currently involved in these assignments. Historically, assignments were made by various service providers and/or the local code administrators. Non-dialable toll points are being systematically eliminated.

Assignments for Non-Dialable Toll Points are currently maintained in the LERG by Telcordia.

3.13 Reserved



Section 4

Central Office Code Administration

4.1 Requirements

NANPA shall manage the CO Code resource in accordance with federal regulatory requirements and the current version of the published *Central Office Code (NXX) Assignment Guidelines* (INC 95-0407-008).

NANPA shall perform the CO Code administration that encompasses the following major functional categories as follows:

- Client² Services
- Processing
- Client and Internal Communication / Notification Functions
- Status Reporting

Tracking CO Code Utilization for NPA relief.

NANPA, in order to perform CO Code Administration functions, shall maintain considerable knowledge of local/regional environments including geography, demographics, growth patterns, local dialing plans, and eligibility requirements. This knowledge shall be applied to each CO Code assignment. Local conditions for each NPA shall be posted to the NANPA web site.

NANPA shall create a Change Management Plan for adapting the CO Code assignment practices in accordance with updates and modifications to the CO Code (NXX) Assignment Guidelines and regulatory directives. When there are changes, NANPA shall institute a training program to educate all CO Code Administration staff in order to ensure consistent application. Training shall be completed within five business days of the date the change to the guidelines becomes effective.

4.2 Functional Specifications

CO Code administration activities include the key functional requirements detailed below.

² Client represents code applicants, code holders, regulatory agencies, and the general public.

4.2.1 Client Services

NANPA shall produce and make available information regarding CO Code Administration processes, guidelines, procedures, interfaces, and services.

Upon request, NANPA shall provide information on how to obtain current documents related to CO Code Administration. NANPA may refer clients to web sites where information can be located and downloaded. These documents currently include:

- CO Code (NXX) Assignment Guidelines
- NPA Code Relief Planning Guidelines
- Industry Notification of NPA Relief Activity Guidelines
- NPA Allocation Plan and Assignment Guidelines
- Recommended Notification Procedures to Industry for Changes in Access Network Architectures.

NANPA shall provide assistance to all clients who use numbering resources and suggest alternatives, when possible, that may assist clients with number resource optimization and utilization issues.

NANPA shall maintain working knowledge of applicable state regulations and local dialing plans.

NANPA shall assist Code Applicants with understanding and completing the forms contained in the CO Code (NXX) Assignment Guidelines. The guidelines currently contain six types of forms known as:

- Part 1 - Request for NXX Code Assignment
- Part 2 - Routing and Rating Information (Forms 1-8)
- Part 3 - Administrator's Response/Confirmation to a Part 1 form
- Part 4 - Confirmation of CO Code in Service
- Part 4 PA - Confirmation of Code in Service (Submitted by the PA)
- Part 5 - Administrator's Part 4 Receipt/Confirmation.

NANPA shall educate its clients. Such education may include, but is not limited to, providing client job aides and providing necessary forms and instructions on the NANPA web site.

NANPA shall notify its clients and interested parties when industry guidelines or applicable regulatory directives have changed. NANPA shall provide electronic notification of administrative process and procedural changes within five business days of the change being

identified by NANPA. Implementation of these changes shall entail a transition period before the new process or procedure becomes effective.

NANPA shall respond to client inquiries regarding available and assigned CO Codes. Such response may consist of referring the client to a specific page on the NANPA web site.

4.2.2 Processing

NANPA shall receive and verify applications for CO Codes in accordance with FCC directives and CO Code (NXX) Assignment Guidelines, INC 95-0407-008. Verification includes, but is not limited to, the following:

- Verify data on CO Code applications for compliance with CO Code (NXX) Assignment Guidelines and any unique local regulatory requirements
- Verify and ensure compliance for assignment of CO Codes (*e.g.*, NRUF on file, certified in the rate area, filing of MTE forms, compliance with utilization rate, facilities readiness) by completely reviewing each application when submitted and before taking any assignment action
- Contact CO Code applicant as necessary to gain clarification or additional information in order to process the application
- If a state commission has not yet chosen a relief method and established a relief date, NANPA, as CO Code administrator, and the industry shall devise the jeopardy conservation or rationing measures, consistent with the industry guidelines.

As CO Code Administrator, NANPA shall be aware of and adhere to any limits on code assignments as ordered by state commissions or agreed to by industry, as well as any other provisions of rationing plans such as prioritization of applications.

NANPA shall:

- Verify that no ported TNs are working in a CO Code prior to disconnection
- Use the NPAC Ported TN Report provided by NPAC.
- Review all Part 1's requesting a change or a disconnect of a code to ascertain if ported TNs are present and, if so, deny the Part 1 disconnect and order all disconnect activities to cease immediately
- Comply with the INC guidelines addressing "Information Changes" and "Code Holder Responsibilities."

If the applicant is unable to satisfy the requirements for receiving a CO Code or provide NANPA with sufficient information, NANPA shall deny the application and return it to the applicant. Applications denied as a result of rationing plans shall be held for subsequent

monthly lotteries or assignments; applicants shall not be forced to re-file complete applications, but only to update information if necessary. Prior to each lottery drawing, NANPA shall contact service providers with applications on file due to a rationing plan to verify that applicants still have a need for the resource.

NANPA shall apply CO Code optimization practices in accordance with FCC directives and the CO Code (NXX) Assignment Guidelines, as appropriate.

NANPA shall select a CO Code that does not present dialing, routing or rating conflicts. In the event that a conflict is subsequently identified, NANPA shall assist in the resolution of call completion problems in accordance with the CO Code (NXX) Assignment Guidelines.

NANPA shall provide a response (i.e., assign, seek additional information or deny assignment) to CO Code applicants within the time frame specified in the CO Code (NXX) Assignment Guidelines and the application shall be considered "Assigned."

NANPA shall verify through receipt of a Part 4 form that applicants have placed the code in service within the time frames specified in the CO Code (NXX) Assignment Guidelines. NANPA shall return a Part 5 – Administrator's Part 4 Receipt/Confirmation acknowledging the Applicant's use of the Code. If the CO Code is not activated within the timeframes as stated in the Guidelines, the NANPA shall initiate the reclamation process and notify the Applicant. NANPA shall track assignment data for client accessibility in standardized reports.

NANPA shall also:

- Maintain a code conflict database and publish codes "unavailable for assignment" by NPA on the NANPA's web page due to dialing, routing and/or rating conflicts
- Include in this list codes unavailable due to permissible services identified by the state tariff; codes used for testing; and codes used for unique call routing/rating arrangements. NANPA shall require a Part 1 only if they have not been in use since 1998
- Consult, providing details of local/regional environments including, for example, geography, demographics, growth patterns, local dialing plans, and eligibility requirements.

4.2.3 Communication/Notification Functions

NANPA shall post daily on its web site the NXXs assigned and the NXXs available under each NPA. This information shall be updated daily as changes occur. Other means of distributing reports shall be available as necessary.

NANPA shall follow the CO Code (NXX) Assignment Guidelines for notification of CO Code assignments. NANPA shall enter data directly into RDBS/BRIDS.

NANPA shall have the capability to input rating and routing data into the RDBS and BRIDS as an enterprise service to a code holder.

NANPA shall issue notification of all CO Code jeopardy situations and other pertinent CO Code administration activities to the appropriate regulatory agencies and the affected industry members.

4.2.4 Status Reporting

For CO Code Administration, NANPA shall monitor and report the status of NXXs in each NPA. These reports shall be generated and posted to the NANPA web site each business day.

4.2.5 Tracking CO Code Utilization for NPA Relief

NANPA shall fulfill the process responsibilities in accordance with the NPA relief guidelines and regulatory directives, including the following:

1. Determine when to initiate NPA Relief by continually monitoring CO Code growth and projecting exhaust
2. Upon the identification of a potential exhaust situation, notify appropriate regulatory authorities and affected parties within the NPA
3. If necessary, immediately organize a relief-planning meeting to obtain local industry consensus and subsequent regulatory direction for a relief implementation plan.

4.2.6 Management of Jeopardy Conditions

NANPA shall:

- Declare a jeopardy NPA condition within any NPA that meets the conditions established in the appropriate industry guidelines and regulatory orders
- Monitor CO Code growth and projected exhaust
- Notify appropriate regulatory authorities and affected parties within the NPA
- Notify the industry that jeopardy code rationing is available if so desired, or in the absence of industry consensus, may be specified in a pending state commission order if the industry does not come to consensus on a rationing plan
- Implement NPA-specific conservation measures as a part of CO Code application processing, if necessary, subject to local industry consensus or regulatory direction.⁹

4.3 Management of the Code Inventory

NANPA shall track and monitor MTE, forecast, and utilization reports so that NANPA shall be able to forecast demand and anticipate the need for relief to avoid exhaust of each NPA and the NANP.

4.4 Resource Reclamation

In accordance with paragraph 237 of the FCC Report and Order and Further Notice of Proposed Rule Making, March 31, 2000 (FCC NRO Order), NANPA shall reclaim number resources assigned to entities that fail to meet the terms specified in the assignment guidelines. NANPA shall receive and process Part 4 confirmations from code holders during the 6-month period following the published LERG effective date of the code. Receipt of a Part 4 from a code holder certifies that the code has been placed in service. NANPA shall acknowledge its Part 4 receipt by issuing the code holder a Part 5 Administrator's Part 4 Receipt/Confirmation verifying the code holder's use. NANPA shall maintain a tracking system for receipt of Part 4s and return notification of Part 5 Forms.

No further action is required of the code holder once a Part 4 has been submitted. Not later than one month prior to the end of the six-month period, NANPA shall send a reminder notice to code holders that no Part 4 Form has been posted for the code now assigned to them. If requested, NANPA shall submit lists of service providers who are delinquent in the return of the Part 4 forms to state regulators. NANPA shall obtain either state or FCC regulatory approval prior to initiating the reclamation process.

NANPA shall maintain a current point of contact list for CO Code reclamation. Regulators and service providers are to be included on the list. In addition, a contact list for all other NANP members shall be maintained, if necessary.

NANPA shall send an e-mail confirmation in response to every CO Code application received.

NANPA shall notify Code Holders who have not yet submitted Part 4 Forms.

NANPA shall:

- Record and process Part 4s
- Send a reminder notice no later than one month before the end of the activation period from a code assignment soliciting the required Part 4 Form
- Initiate reclamation procedures per the guidelines, keeping accurate and complete records for each action taken.

Section 5

NPA Relief Planning

NANPA shall perform the area code (NPA) relief functions specified in the INC NPA Code Relief Planning Guidelines. NANPA shall be prepared to work with state regulatory authorities that may choose to assume any of these responsibilities, pursuant to FCC orders.

NANPA, in order to effectively perform its NPA relief functions, shall maintain considerable knowledge of local/regional environments including geography, demographics, communities of interest, growth patterns, local dialing plans, and operating/certified service providers. NANPA shall determine NPAs in need of relief and appropriately manage the relief efforts through the implementation of a new area code.

NANPA shall notify all affected CO Code holders with regard to NPAs in need of relief, and any associated meeting information. In addition to notification, the NANPA shall forward the Initial Planning Documents (IPD) a minimum of four weeks before any scheduled NPA relief-planning meeting. The NANPA shall post to its web site all NPA relief meeting announcements and preliminary planning information.

Accordingly, NANPA shall consider how it shall continue to update the knowledge of and contact information for local areas to meet the level of NPA relief expected in any given year during its Term of Administration.

5.1 Key Responsibilities

NANPA key NPA relief responsibilities consist of the items noted below.

5.1.1 Relief Timing

NANPA shall determine the need for and identify the timing of NPA Relief in accordance with CO Code (NXX) Assignment Guidelines and NPA Code Relief Planning Guidelines. One of the tools for performing this task involves NRUF Report data.

5.1.2 Relief Planning Communication

NANPA shall promptly communicate with all affected industry members and appropriate state regulatory authorities to advise them of the need for relief planning to occur.

5.1.3 Initial Planning Document (IPD) Preparation and Distribution

NANPA shall prepare and distribute to industry members and state regulatory authorities an IPD for each NPA, projected to exhaust over the forecast period, as identified in the NRUF Report. The IPD shall describe and assess possible relief options and include detailed historical information regarding prior years' forecasts, versus the actual assignment of codes.

5.1.4 Relief Planning Meetings

NANPA shall schedule initial NPA relief planning meeting(s) per the NPA Code Relief Planning & Notification Guidelines. This meeting shall be 36 months in advance of the projected NPA exhaust date to permit the timely planning and implementation of NPA relief.

5.1.5 Relief Planning Report

NANPA shall provide a report to the NANC, once per quarter, on its success or failure in meeting this Performance Measurement.

5.1.6 Relief Planning Consensus Building

NANPA shall notify interested industry and state regulatory authorities of NPA Relief Planning meeting(s) and conducts the meeting(s) with the objective of gaining consensus on a relief plan.

5.1.7 Neutral Facilitator Role

NANPA shall act as neutral facilitator for all relief planning meeting(s) (i.e., issuing meeting announcements, coordinating meeting arrangements, leading the meeting, issuing meeting minutes, and other duties necessary to conduct the meeting).

5.1.8 Proactive Role in Relief Planning

NANPA shall ensure state regulatory authorities have appropriate information necessary to endorse industry-consensus relief plans or develop their own plan if they desire. NANPA shall proactively work with the state regulatory authorities to achieve endorsement of a relief plan by the date established to allow the industry appropriate time for implementation.

5.1.9 Status Reporting on Relief Plans

NANPA shall track and report on the status of pending relief plans to the FCC/NANC each month.

5.1.10 Possible Testimony

NANPA may be requested to provide testimony to the state regulatory authorities regarding the relief plan, as necessary. The cost for this service should be treated as an enterprise service.

5.1.11 New NPA Code Assignment

NANPA shall, prior to the NPA relief date, assign a new NPA code(s) in accordance with the approved relief plan.

5.1.12 Implementation Scheduling

NANPA shall schedule the first implementation meeting once a form of relief has been selected and ordered by a state regulator.

5.1.13 Industry Scheduling

NANPA shall provide industry notification of NPA code relief implementation activities (e.g., adequate advance notice, public announcements, test number and testing period, new boundary maps, new dialing procedures, RDBS, Line Information Database (LIDB), Bellcore Rating Administrative Data System (BRADS)/BRIDS, LERG, LIDB Access Routing Guide (LARG), relief date, permissive dialing period, mandatory dialing date, ANI records). NANPA shall also provide notifications of any subsequent changes made by state commissions to relief dates, permissive dialing periods, or mandatory dialing dates.

5.1.14 Press Release

NANPA shall, with the input and approval of the state regulatory authorities and industry, prepare and issue a press release to inform the public of the approved Relief Plan and respond to requests from the media and public for information.

5.1.15 Implementation Assistance

NANPA shall assist NPA Relief implementation teams and the Number Administration Service Center (NASC), as necessary, in modifications to the toll-free database.

If necessary, NANPA shall declare a code in jeopardy based upon the INC definition of a jeopardy situation and implement an NXX code-rationing plan agreed to by the industry. If there is no industry consensus and after a state regulatory authority orders a specific form of area code relief and has established an implementation date, NANPA shall then adopt and implement that plan as ordered by the state regulatory authority.

If the state regulatory authorities have not ordered an NPA relief plan on or before the industry requested approval date, NANPA shall notify the FCC and the NANC in writing and provide the date by which an order is required to avoid jeopardizing the timely implementation of NPA relief.

5.1.16 Compliance

NANPA shall:

- Comply with CO Code (NXX) Assignment Guidelines and NPA Code Relief Planning Guidelines
- Implement a planned approach using effective forecasting and management tools and skills in order to ensure the availability of numbering resources

- Facilitate the timely planning and implementation of NPA relief
- Proactively represent the needs of the resource by working with state regulatory authorities to achieve endorsement of a relief plan by the requested date established to allow the industry appropriate time for implementation.

If a relief plan has not been approved by 90 days prior to industry requested approval date, then NANPA shall notify the state commission in writing of the date the relief plan approval was requested – a copy of which shall be sent to the NANC Chair.

Upon the passing of the requested approval and absent a state commission NPA Relief Order, NANPA shall notify the FCC and the NANC in writing and provide the date by which an order is required to avoid jeopardizing the timely implementation of NPA relief using an accelerated implementation scheduled.

5.2 Client Notification

NANPA shall maintain an electronic document distribution system, which NPA relief planners shall use to notify affected clients of the need for an NPA relief meeting and to keep all clients informed of final relief plans and implementation processes.

The document notification system shall also be used to distribute additional details and data deemed necessary to keep clients informed of the status of any relief activity that has experienced a delay in implementation.

Section 6

Utilization and Forecasting

The NRUF Report is filed twice annually by service providers in accordance with FCC orders. Each service provider shall complete the NRUF Report and submit it to NANPA on or before February 1st and August 1st of each year.

NANPA shall compile, examine, and analyze the data gathered from these reports and submit its analysis to the NANC, the FCC and state regulatory commissions that have requested it, semi-annually on the last business day of April and October of each year, unless otherwise directed by the FCC.

6.1 Responsibilities

The following is a list of the functional areas that fall within NANPA's data collection, processing and NRUF reporting responsibilities:

6.1.1 Point of Contact

NANPA shall be the point of contact for collecting forecast and utilization data. Forms shall be submitted electronically. NANPA shall assist carriers in completing the NRUF forms by clarifying the service provider requirements to report and correctly understand the NRUF process.

6.1.2 Contact List Maintenance

NANPA shall maintain a list of the individuals, within each reporting entity identified, as the contact person on the last NRUF report submitted by that entity. NANPA shall periodically remind reporting entities in writing of the need to keep the list of contacts current and accurate.

6.1.3 Data Requests

NANPA shall request the data from all NANP member nations. Such data shall be requested on February 1st and August 1st of each year. All NRUF data shall be aggregated from within the same timeframe. Data from U. S. service providers shall be processed separately, and then aggregated with all other reported data to obtain a complete picture of the status of the NANP.

6.1.4 Data Requests in Pooled Areas

In pooled rate centers within an NPA, NANPA shall receive forecast data in 1000 block increments. The PA shall provide data regarding unassigned blocks in the pool for the NANPA to analyze.

6.1.5 Data Analysis

NANPA shall compile, examine and analyze all the data obtained from the semi-annual NRUF Report. The results of this analysis shall be made available by NANPA on the last business day of April and October of each year.

NANPA shall compare actual NPA exhaust and current exhaust forecasts with the past five exhaust projections. NANPA shall summarize the accuracy of its forecast outlining (1) contributing factors, (2) changes required, (3) the outcome if no change is made, (4) the parties who shall participate in the changes, and (5) a description of the activity each party shall take to realize the desired outcome. NANPA shall provide an analysis of the accuracy of its forecasting tool as an NPA reaches exhaust prior to the beginning of each forecast cycle.

6.1.6 Data Reporting

NANPA shall produce a semi-annual report that summarizes the projections of exhaust of each NPA and the NANP as a whole. The report shall at a minimum, be similar in format and content to the *NANP and NPA Exhaust Analysis* report, currently provided to the NANC.

NANPA shall highlight significant anomalies, for example, those NPAs whose projected exhaust date changes by more than six months from one report to another, and provide a brief explanation for the change.

6.1.7 Client Support

NANPA shall be available to its clients to answer questions pertaining to any aspect of the NRUF Report process (*e.g.*, forms, instructions, analysis, data assumptions, etc.)

6.1.8 Data Aggregation

NANPA shall also compile, examine, and analyze the forecast and utilization data submitted by reporting service providers between reporting periods. If it appears that the life of an NPA or the NANP shall be significantly affected by an updated NRUF Report submitted by a service provider(s), NANPA shall report those results within 30 days of receiving the data submissions from the service provider(s).

In the event that NANP exhaust is affected by an updated NRUF submission, NANPA shall send the results to the appropriate regulatory authority in NANP member countries and the

NANC. In cases that only involve NPA exhaust, the NANPA shall forward the results to the appropriate regulatory commission.

6.1.9 Request to Review Data

At the request of a U.S. state regulatory authority and upon receipt by NANPA of a written statement that the state regulatory authority has confidentiality procedures in place to protect the data, NANPA shall, within ten business days, provide a single report containing disaggregated data to any requesting state that is reported by service providers in that state, so long as the request is made 30 days after the deadline for NRUF reporting and before the subsequent NRUF reporting deadline.

NANPA shall provide reports to state regulatory authorities per their initial request and delivery schedule. State regulatory authorities shall provide NANPA with requested delivery schedule changes and report content changes at least 30 days prior to the effective date of the change. Requests of this nature shall be provided without an additional charge to the state commission.

6.1.10 Penalties for Non-Submission

If an NRUF Report has not been submitted by a service provider, NANPA shall withhold future numbering requests from that service provider within the area for which the NRUF data has not been supplied. Once the NRUF data has been submitted, NANPA shall process the request.

6.1.11 Report Anomalies

If NANPA identifies any significant inconsistencies or anomalies in a service provider's data, NANPA shall inform the submitting service provider of its findings, provide the specific data relevant to prove the significant inconsistency or anomaly in service provider reporting, and request a review and confirmation (written or oral) from the service provider.

NANPA shall allow the service provider five business days to provide that confirmation, or to resubmit the data. If, after the discussions with the provider, NANPA still believes that the provider's data is flawed or insufficient, then NANPA shall report its findings to the appropriate regulatory bodies (*e.g.*, state regulatory commissions, the FCC).³

NANPA shall assign no additional numbering resources to such service providers until the appropriate state commissions instruct it to do so. Where the state regulatory commission has chosen not to exercise its delegated authority, NANPA shall seek instruction from the FCC.

³ U.S. telecommunications providers only.

6.2 Development of Tests for Anomalies and Inconsistencies

NANPA shall examine the NRUF report submitted by each service provider for inconsistencies or anomalies. NANPA shall design the tests and algorithms that it shall use to test the utilization and forecast data submitted by service providers for forecast submissions prior to actually performing any tests. NANPA shall provide a detailed description of the actual methodology employed to identify inconsistencies and anomalies. The description shall include a list of all assumptions and rationale incorporated into the methodology tests, as well as any mathematical formulas that are used.

NANPA shall also work with the NANC to form criteria for determining what types of submissions shall be deemed inconsistent or anomalous. It is expected that NANPA shall continually refine this process and remain mindful of the changing telecommunications landscape to ensure that its methods and assumptions are current and valid.

6.3 NANPA Analysis of Data

NANPA shall accumulate and analyze forecast and utilization data from each service provider and the PA according to the schedule detailed in the First FCC NRO Order. NANPA shall use this information along with historical and other data possessed by NANPA to create a forecast that is as accurate as possible.

6.3.1 Methodology for Projecting NPA Exhaust

The NANPA shall project the potential exhaust of geographic NPA codes. Although the NRUF data shall be the primary source of information for any analysis, NANPA shall incorporate other relevant data elements into its analysis in determining the projected exhaust time frame of each geographic NPA.

Some of the additional data elements are noted below.

6.3.1.1 NRUF Survey Responses

Once the tests for inconsistencies and anomalies have been performed and deemed acceptable by NANPA, these responses shall be the primary input to any analysis of NANP and NPA exhaust.

6.3.1.2 Historical CO Code Assignment Data

The historical CO Code data includes NXX code assignments over the two years immediately preceding the date of the NRUF for all industry segments, *e.g.*, Incumbent Local Exchange Carrier (ILEC), Competitive Local Exchange Carrier (CLEC), two-way Commercial Mobile Radio Service (CMRS) Carrier, and Paging Carrier.

6.3.1.3 CO Code Rationing

After jeopardy has been declared, the rationed amount shall have a significant and direct effect on the life of the NPA, regardless of forecasted demand. In such cases, all other elements may be rendered irrelevant.

6.3.1.4 CO Code Assignments as of the Data Collection Date

A single recent event can affect the life span of an NPA, and thus should be factored in.

6.3.1.5 Total Number of Codes Available for Assignment

If relief has been applied since the last reporting period, the environment will have changed and the analysis must reflect the change.

6.3.1.6 Rate Centers Per NPA

The effects of any rate center consolidation or split within an NPA may have a significant impact on CO Code demand.

6.3.1.7 Expanded Local Calling Areas

The inclusion of additional carriers in expanded local calling areas may also have an impact on CO Code demand.

6.3.1.8 Pooling

The impact of pooling on CO Code demand, where it has been implemented, must also be taken into account.

6.3.2 Minimum Analysis Requirements

Prior to performing the analysis, NANPA shall provide to the NANC a detailed description of the actual methodology employed. The description shall include a list of all assumptions and rationale incorporated into the methodology, as well as any mathematical formulas that are used.

The clients shall have the right and opportunity to provide advice and consent to the analysis methods and assumptions NANPA uses to perform its analysis of the NRUF results. Continuous methodology refinement is expected and encouraged. At minimum, the analysis shall begin with a determination of the quantity of available NXXs within each NPA.

Using the aggregated service provider forecasts and the tests developed by NANPA to identify inconsistencies and anomalies, NANPA shall determine the quarterly NXX demand for each NPA. The actual adjustments applied shall be consistent with, and fully explained in, NANPA's description of assumptions and rationale.

6.3.3 Anomalies and Trends

NANPA shall identify anomalies and trends in numbering usage for all NANP resources. NANPA shall assist the clients in assessing the results shown and the action required to achieve numbering goals. On an annual basis, the NANPA shall provide a report to the FCC reporting any anomalies and trends affecting the NANP.

6.4 Number Resource Utilization Form (NRUF) Submissions

The FCC requires U.S. service providers to submit NRUF data electronically.

NANPA shall support three alternative methods for NRUF submission data collection: electronic file transfer (EFT), spreadsheet attachment to email, and online entry.