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- 5.3 At the request of the code applicant and if the Code Administrator is the authorized party to input the data, the Code Administrator will input/revise the RDBS and/or BRIDS assignment information provided by the applicant on the Central Office Code (NXX) Assignment Request and Confirmation Forms. Authorization and/or data input responsibilities are determined on an Operating Company Number level. If the Code Administrator does not have the Administrative Operating Company Number (AOCN) responsibility for the data inputs, the code applicant will contact Bellcore-TRA to determine the correct AOCN company and make other arrangements for entering the data into RDBS and BRIDS. See Section 1.8 of Part 1 of the request form.
- 5.4 The following functions have an impact on the accurate routing of calls and are especially applicable to both newly assigned numbers and to the reassignment of existing CO codes.
- 5.4.1 Analyze and help resolve problems related to misrouted calls and calls that cannot be completed. Such trouble investigations should be initiated in the NPA in which the incomplete call originated.
- 5.4.2 Track switch cutovers and code reassignments, and perform other operational functions; e.g., code reclamation.
- 5.4.3 Ensure that the code applicant places the code in service within the time frame specified in Sections 6.3.3 and 4.4 of these guidelines. If the assigned code is not used within this time frame, the Code Administrator(s) shall request the return of the code for reassignment.
- 5.5 It is recognized that the overall code administration process, e.g., planning for number relief, is related to and will require exchange of information with the CO code (NXX) assignment process. The additional functions associated with code administration, related to CO codes (NXX) are described in Sections 7 and 10.
- 5.6 The Code Administrator may, on occasion, be requested by regulators or through INC recommendations or guidelines to set aside as reserved specific CO codes. If an applicant requests one of the set-aside codes, the Code Administrator will advise the applicant of the reasons the code has been set aside. Should the applicant be unwilling to accept any other available CO code, the Code Administrator shall respond with a Code Administrator's Response/Confirmation marked "Assignment activity suspended by the administrator." The "Explanation" section will state that the code has been set

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aside and will identify the body that directed the Code Administrator to do so. The applicant may then ask that body to advise the Code Administrator on whether or not to assign the requested set-aside code.

## **6.0 Responsibilities of Code Applicants and Holders**

Entities requesting new CO code (NXX) assignments as well as entities already assigned CO codes shall comply with the following:

### **6.1 The Application Process**

6.1.1 Code applicants for initial and/or additional CO code (NXX) assignments shall submit their requests to the appropriate Code Administrator(s) using the Central Office Code (NXX) Assignment Request and Confirmation Form (Code Request Form). One application form is required per NXX code requested. The code applicant will complete all required entries on the Code Request Form to the best of his/her knowledge as well as sign the Form. An Operating Company Number (OCN) which uniquely identifies the applicant must be provided. The applicant can get OCN information by calling TRA. (See the Forms Part 1, Section 2). The information provided on Part 1 of the CO Code Assignment Request Form shall be the official information. Any changes to this information shall be submitted to the Code Administrator as described in Section 6.3.1.

6.1.2 Requests for code assignments should not be made more than 6 months prior to the requested effective date.

6.1.3 When requesting "additional" or subsequent code assignments, applicants shall meet the requirements as described in Section 4.2 and conform to the conditions contained therein.

6.1.4 The code applicant shall certify on the Code Request Form that to the best of his/her knowledge necessary governmental/regulatory authorization has been obtained to provide the service(s) for which the code is being requested.

### **6.2 Information Required for Code Activation**

6.2.1 Before a CO code (NXX) can become active, all code holders are responsible for providing the information shown in Part 2 of the CO Code (NXX) Assignment Request Form that includes routing information for entry into the RDBS and rating information for entry into BRIDS. In addition, any changes to

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the requested effective date and/or Operating Company Number (OCN) need to be provided to the Code Administrator as soon as the changes occur. (Note: The LERG contains local routing information obtained from RDBS and reflects the current network configuration and scheduled changes within the PSTN.)

- 6.2.2 Applicants should request "effective dates" at least 66 calendar days after the date of receipt of the code request. This 66 calendar day interval is necessary because of the current standard 45 day activation<sup>10</sup> (starting from the time the NXX code request is input to RDBS and BRIDS) for NXX code activation plus additional time (21 calendar days) required for code request processing. Expedited requests (activation in less than 66 calendar days) will increase the potential for call blocking and/or billing errors and should be avoided except in emergency cases. It should be noted that interconnection arrangements and facilities need to be in place prior to activation of a code. Such arrangements are outside the scope of these guidelines.
- 6.2.3 Each switching center, each rate center and each POI may have unique V&H coordinates.
- 6.2.4 A code applicant or holder who has issued or is planning to issue credit or calling cards will be responsible for entering CO code (NXX) information into the appropriate LIDB Access Support System (LASS).
- 6.3 Ongoing Administration
- 6.3.1 Information Changes

The information associated with a code assignment may change over time. Such changes may occur, for example, because of the transfer of a code to a different company. The Code Administrator must be notified of any changes to the information in Part 1 of the CO Code (NXX) Assignment Request Form. This includes changes such as, but not limited to, the tandem homing arrangement, OCN, switching entity/POI and rate center. Accordingly, the Code Administrator(s) must be informed of these changes to ensure that an accurate record of the entity responsible for the code and the data associated with the code is maintained so as not to jeopardize data integrity.

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<sup>10</sup> For more information, refer to ICCF document 92-0726-004, "Recommended Notification Procedures to Industry for Changes in Access Network Architecture."

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It is the responsibility of the code holder to arrange for the entry of any changes to RDBS and BRIDS data associated with a switching entity/POI including, but not limited to, Office Functionality and Switching Entity-Network Services through the Code Administrator, or the company with (AOCN) authorization.

### 6.3.2 Responsibilities of the Code Holder

The holder of a CO code (NXX) assigned by the Code Administrator(s) or acquired by other means such as transfer (i.e., by merger or acquisition) must use the code consistent with these guidelines. Most importantly, the new code holder must participate in the audit process (See Appendix A) necessary to effectively assess code utilization. Any revisions to the CO Code (NXX) Assignment Request Form Part 1 must be submitted to the Code Administrator as soon as the code holder is aware of these changes. This information is necessary regardless of who has RDBS and BRIDS database input responsibilities.

### 6.3.3 Code Use

Code assignments are made subject to the conditions listed in Section 4. A code assigned to an entity, either directly by the Code Administrator(s) or through transfer from another entity, should be placed in service within 6 months after the initially published effective date. Certification of in service will be required (see Central Office Code (NXX) Assignment Request and Confirmation Form - Part 4). If the assignee no longer has need for the code, the code should be returned to the Code Administrator(s) for reassignment. If it is determined through the audit process or other means that a code is not in use after 6 months as noted above, the Code Administrator(s) will request the return of the code.

## 6.4 NPA Planning Information

- 6.4.1 All code holders shall provide forecasted code requirements to the Code Administrator(s) to be used solely for projecting NPA exhaust and for planning NPA code relief. All such forecasts shall be treated on a proprietary basis.
- 6.4.2 Information furnished by code holders shall be submitted on the form provided in Appendix C. This data will be aggregated and submitted by the Code Administrator(s) to NANPA for use in the annual COCUS studies.

6.5 All code holders agree to abide by the code reclamation procedures outlined in Section 7.

## **7.0 Reclamation Procedures**

### **7.1 Assignee/Code Holder Responsibility**

The entity to which a CO Code(s) has been assigned shall return the CO Code(s) to its administrator if:

- It is no longer needed by the entity for the purpose for which it was originally assigned
- The service it was assigned for is disconnected, or
- The CO Code(s) was not activated within the timeframe specified in these guidelines

In the latter case, the assignee may apply to the administrator for an extension date. Such an extension request must include the reason for the delay and a new activation time commitment.

### **7.2 Administrator Responsibility**

- 7.2.1 The CO Code(s) Administrator will contact any CO Code assignee(s) identified as not having returned to the administrator for reassignment any CO Code(s):
- Assigned, but no longer in use by the assignee(s),
  - Assigned to a service no longer offered,
  - Assigned, but not activated within the timeframe specified in these guidelines,
  - Assigned, but not used in conformance with these assignment guidelines.

The administrator will seek clarification from the assignee(s) regarding the alleged non-use or misuse. If the assignee(s) provides an explanation satisfactory to the administrator, and in conformance with these assignment guidelines the CO Code(s) will remain assigned. If no satisfactory explanation is provided, the administrator will request a letter from the assignee(s) returning the assigned CO Code(s). If a direct contact can not be made with the assignee(s) to effect the above process a registered letter will be sent to the assignee(s) address of record requesting that they contact the administrator within 30 days regarding the alleged resource non-use or misuse. If the letter is returned as non-delivered the administrator will advise the INC that the CO Code(s) will be made available for reassignment following the established idle period, if any, unless the INC advises otherwise within 30 days.

- 7.2.2 The CO Code Administrator will refer to the INC for resolution any instance where a CO Code has not been returned for reassignment by the assignee if:
- The CO Code has not been activated within the timeframe specified in these guidelines.
  - A previously activated CO Code is not now in use.
  - An activated CO Code is not being used in accordance with these assignment guidelines.
- 7.2.3 If a CO Code is not activated within the timeframe specified in these guidelines and the administrator determines, by discussion with the CO Code(s) assignee, that the reason for the non-activation is not within the control of the assignee(s), the administrator may extend the activation date by up to 90 days.
- 7.2.4 The CO Code Administrator will receive, process and refer to the INC for resolution any application from CO Code assignees for an extension on CO Code activation date when the:
- Activation has not occurred within the 90 day extension
  - Administrator believes that the activation has not occurred due to reason within the assignee's control, or
  - Assignee requests an extension in excess of 90 days.

Referral to INC will include the offered reason why the extension is requested, a new proposed activation date, and the administrator's recommended action.

The CO Code Administrator will make all returned resources available for assignment following the established idle time, if any.

### 7.3 INC Responsibilities

The INC will:

- Accept all referrals of alleged non-use or misuse of CO Code(s) from the CO Code administrator or any other entity, by referring issues to the Resource Management Workshop,
- Investigate the referral,
- Review referrals in the context of these assignment guidelines,
- Attempt to resolve the referral, and
- Direct the CO Code administrator regarding the action, if any, to be taken.

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Absent a consensus resolution of the referral or non compliance to the resolution by the CO Code assignee, the case will be referred by INC via the CLC process, to the appropriate regulatory body for resolution.

## **8.0 Central Office Code Conservation**

Assignment of NANP Area numbering resources is undertaken with the following objectives: to efficiently and effectively administer/manage a limited NANP resource through code conservation, to delay NPA exhaust and the need for NPA relief (e.g., splits/overlays) for as long as possible and to delay the eventual exhaust of the NANP (see Section 3.2). The timeliness included in Appendix D are provided for illustrative purposes only. However, the "NPA Relief" and the "RDBS Update" dates are the only dates currently recognized as industry standards. In meeting these objectives the following are conservation measures to be taken by Code Administrator(s).

- 8.1 Annual COCUS studies will be conducted utilizing projected demand forecasts, provided by code holders (see Section 6.4), to identify NPAs nearing exhaust. The schedule for projected exhaust will be forwarded by NANPA to the appropriate Code Administrator(s) and published in summary format for industry use.<sup>11</sup>
- 8.2 Ongoing code administration practices which foster conservation shall include the following: (See Section 8.3 for jeopardy NPA situations and Section 7 for code reclamation procedures.)
- A. Make code applicants aware of the options and potential benefits of sharing NXX codes, consistent with Section 4.3 above.
  - B. Use of CO codes (NXX) for purposes other than assignment (e.g., test codes) should be minimized.
  - C. Codes that may result in dialing confusion (e.g., HNPAs, adjacent NPAs used as CO codes) may be preferable for assignments other than to end users (i.e., test codes). Nonetheless, applicants requesting one of these codes are not precluded from receiving it, if unassigned and technically feasible.

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<sup>11</sup> NANPA will be responsible for disseminating COCUS results to the affected parties.

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- D. Implementation of code protection arrangements should be avoided where practical. When approaching the exhaust of an NPA, retention of protected codes should be re-examined. Code protection is an arrangement where a central office code assigned in one NPA is not assigned in an adjacent NPA, thereby becoming protected to allow 7-digit dialing across the common boundary.
- E. Examination of the continued use of codes from the HNPA to serve customers in an adjacent NPA should be undertaken when the HNPA is nearing exhaust. Continued use should be eliminated where practical.
- 8.3 When it is determined by the Code Administrator(s) based on the NPA Code Relief Planning Guidelines (INC 94-1216-004) that an NPA is in jeopardy<sup>12</sup>, the following actions will be taken to provide relief in the jeopardy NPA.
- A. The Code Administrator(s) will notify the appropriate regulatory authority(ies) that the NPA is in jeopardy and that special conservation procedures will be invoked. If appropriate, the Code Administrator(s) will obtain the approval of the regulatory authority(ies) for the implementation of the special conservation provisions.
- B. The Code Administrator(s) will notify the NANPA and affected parties of the established code relief date and the special conservation procedures documented in Section 8.4 will be invoked immediately. Affected parties within the jeopardy NPA will be invited to attend a meeting convened by the Code Administrator for an explanation of the special conservation procedures that will be in effect until code relief is implemented and initiate discussion of extraordinary NPA-specific conservation procedures. If and when extraordinary procedures are required in addition to Section 8.4, the Code Administrator(s) will notify affected parties (See Section 8.5).
- C. NANPA will notify the industry of the NPA in jeopardy via an Information Letter (IL) which will include the code relief date.

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<sup>12</sup> A jeopardy NPA condition exists when the forecasted and/or actual demand for NXX resources will exceed the known supply during the planning/implementation interval for relief. Accordingly, pending exhaust of NXX resources within an NPA does not represent a jeopardy condition if NPA relief has been or can be planned and the additional NXXs associated with the new NPA will satisfy the need for new NXX(s) codes.

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- 8.4 The following are special conservation procedures that will be invoked in the situation of a jeopardy NPA.
- A. During the special conservation period, the Code Administrator will treat all code requests in a fair and impartial manner, consistent with the special conservation provisions.
  - B. Upon receipt of the notice of the jeopardy situation from the Code Administrator, each code holder will review their forecast and demand data and provide the information to the Code Administrator within 30 days using the 'Jeopardy COCUS' form Appendix E).
  - C. For additional codes for growth, each code holder will certify that existing codes for the switching entity/POI, per service provided by that switching entity or POI, will exhaust within 6 months and will have documented and be prepared to supply as described in Section 4.2, Section 2, and Appendix A (Audits) supporting data in the form of:
    - 1. TNs available for assignment
    - 2. Growth history for 6 months
    - 3. Projected demand for the coming 6 months (See Appendix B).
  - D. For codes reserved per Section 4.4:
    - 4. Holders of reserved codes will be asked to voluntarily return their codes or confirm their planned reservation dates. See Section 7.
    - 5. Reservations with planned activation dates beyond the "NPA relief date" will be reviewed, with resources made available as a result of NPA relief.
    - 6. Reservations with planned activation dates prior to the "NPA relief date" will not be honored if doing so would preclude the assignment of a code resource for which a certified request has been processed.
    - 7. In this situation, reservations with the latest planned activation date will be the first codes to be for assignment, and the reservation will be canceled.
  - E. Requests for assignment of new codes for other than growth or to serve a new switching entity/POI should be minimized. However, applications for such purposes can be submitted to the industry team addressing NPA relief. If the team reaches consensus that a special purpose code is

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warranted, the Code Administrator will be instructed to make the assignment, a special purpose code assignment may be appropriate. The decision to postpone or withdraw a code request is the code applicant's and must be confirmed in writing to the Code Administrator.

- F. In a jeopardy NPA situation, increased code sharing should be considered, subject to Section 4.3.
  - G. During the jeopardy period, planning for extraordinary NPA-specific conservation procedures shall commence (Reference Section 8.5).
- 8.5 Unique circumstances within a given jeopardy NPA may require extraordinary NPA-specific conservation procedures. In this event, the following activities shall apply.
- A. The Code Administrator shall develop NPA-specific conservation procedures in conjunction with the affected parties in the jeopardy NPA (See Appendix F). The Code Administrator will work with the affected parties to continually refine the NPA-specific conservation procedures, as necessary, until NPA relief. The Code Administrator will notify the applicable regulatory authority(ies) of the NPA-specific procedures and, if appropriate, obtain approval for the procedures.
  - B. If good faith efforts to reach agreements have failed, the Code Administrator shall draft and submit a proposed recommendation to the regulatory authority(ies) for approval. This does not preclude any other interested party from submitting an alternate recommendation.
  - C. The Code Administrator will monitor changes in the jeopardy situation using the jeopardy COCUS form (J-COCUS, Appendix E). Based upon the results of (a) and using the J-COCUS information, the Code Administrator will implement each NPA-specific conservation procedure as required.
  - D. The Code Administrator will notify the affected parties and applicable regulatory authorities of the implementation of the NPA-specific conservation procedure(s) as they occur.
  - E. The Code Administrator will notify NANPA of the NPA-specific conservation procedures to be implemented. The NANPA will document any new conservation procedures developed along with results in an Information Letter (IL) for future reference.

8.6 The special and/or extraordinary NPA-specific conservation procedures shall remain in effect, if required, until NPA relief has been implemented.

**9.0 Maintenance of These Guidelines**

It may be necessary to modify the guidelines periodically to meet changing and unforeseen circumstances. Questions regarding the maintenance of the guidelines may be directed to:

Director - NANP Administration  
6 Corporate Place  
Room 1F275  
Piscataway, NJ 08854  
(908) 699-3700  
(908) 336-3293 FAX

Requests for changes to these guidelines should be directed to the appropriate industry forum, currently the INC.

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## **10.0 Responsibilities for Code Relief Planning**

The section identifies required code relief planning functions that are related to the CO code (NXX) assignment functions as specified in these guidelines. These functions are identified because they are currently performed in conjunction with code assignment. An objective of this function is to promote effective and efficient code utilization and thereby help ensure the adequate supply of CO codes (NXX).

The Code Administrator(s) shall be required to provide assistance in the code relief planning process when and if necessary. The output of the planning process shall be made available to code holders, applicants and the industry by whatever means is appropriate.

Relief planning functions included in this section are as follows:

- 10.1 Tracks CO code (NXX) assignments within NPAs to ensure effective and efficient utilization of numbering resources.
- 10.2 Works with the Code Administrator(s) to prepare the annual CO Code Utilization Survey (COCUS) input as described in these guidelines and forwards the information to NANPA. (See Sections 5.2.8 and 8.1) This function includes the following activities:
  - 10.2.1 Issues requests for, collects and compiles available information related to CO code (NXX) utilization and relief planning forecasts.
  - 10.2.2 Investigates and resolves, wherever possible, any discrepancies in the information provided.
  - 10.2.3 Any information released to NANPA or to the industry would be released only on an aggregated or summary basis. (See Section 8.1)
- 10.3 Projects CO code (NXX) exhaust within NPAs in order to prepare for NPA relief activity.
- 10.4 Develops plans for NPA relief and initiates implementation efforts, in both normal and jeopardy situations (Refer to Section 8.3). When the need for code

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relief is identified and relief activity is initiated, advises all parties affected by NPA relief activities and includes them in the planning effort.<sup>13</sup>

- 10.5 Collects, compiles and forwards the necessary information to NANPA for the purpose of obtaining an NPA assignment when it is determined that a new NPA code is required to accommodate relief.
- 10.6 Obtains endorsement of NPA relief plan from appropriate regulatory authority(ies), where necessary.
- 10.7 Develops dialing plan alternatives within local jurisdictions.
- 10.8 Provides assistance to users of numbering resources and suggests alternatives, when possible, that will optimize numbering resource utilization.
- 10.9 Prepares and issues information related to reports for special information requests and scheduled periodic reports that relate to utilization of numbering resources.

## **11.0 Appeals Process**

Disagreements may arise between the Code Administrator(s) and code holders/applicants in the context of the administration of these guidelines. In all cases, the Code Administrator(s) and code holders/applicants will make reasonable, good faith efforts to resolve such disagreements among themselves consistent with the guidelines prior to pursuing any appeal. Appeals may include but are not limited to one or more of the following options:

- The code holder/applicant will have the opportunity to resubmit the matter to the administrator(s) for reconsideration with or without additional input.
- Guidelines interpretation/clarification questions may be referred to the body responsible for maintenance of the guidelines. Unless otherwise mutually agreed to by the parties, these questions will be submitted in a generic manner protecting the identity of the appellant.

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<sup>13</sup> A document, "Industry Notification of NPA Relief Activity Guidelines" (ICCF 92-1127-006), dated November 30, 1992, addresses the notification process after it has been decided that NPA relief is needed and when that relief must take place.

- The Code Administrator(s) and code holders/applicant may pursue the disagreement with the appropriate governmental/regulatory body.

Requests for modification of the guidelines can be pursued as described in Section 9 of the guidelines.

Reports on any resolution resulting from the above options, the content of which will be mutually agreed upon by the involved parties, will be forwarded to the body responsible for the maintenance of the guidelines. At a minimum the report will contain the final disposition of the appeal, e.g., whether or not a code was assigned.

## 12.0 Glossary

Active Code	A code formally assigned by the Code Administrator(s) and implemented in the PSTN for specific routing or rating requirements.
Additional NXX Code Assignment for Growth	A code assigned to a switching entity or point of interconnection subsequent to the assignment of the first code (See: Initial Code), for the same purpose as a code that was previously assigned to the same switching entity or point of interconnection. A "Growth Code" is requested when the line numbers available for assignment in a previously assigned NXX code will not meet expected demand.
Affected Parties	Affected parties are a) those entities that have applied for and/or received central office code (NXX) assignments or reservations within the NPA per Section 4.0 of these Guidelines; b) all interested members of the industry within the affected NPA.
Authorized Representative of Code Applicant	The person from the applicant's organization or its agent that has the legal authority to take action on behalf of the applicant.
BRIDS	The Bellcore Rating Input Data Base System (BRIDS) contains data in the rating of calls. Data supports all CO Codes assigned through these Guidelines, as well as all CO Codes in place prior to the existence of these Guidelines, and covers all Numbering Plan Areas (NPAs)

administered under the North American Numbering Plan (NANP). BRIDS is a replacement database for BRADS.

**Central Office Code**

The sub-NPA code in a telephone number, i.e., digits D-E-F of a 10-digit NANP Area address. Central office codes are in the form "NXX", where N is a number from 2 to 9 and X is a number from 0 to 9. Central office codes may also be referred to as "NXX codes".

**CLLI®**

Common Language Location Identifier® is an eleven-character descriptor of a switch and is used for routing calls.

**CO Code (NXX) Exhaust**

A point in time at which the quantity of TN's within existing CO codes (NXX) which are "Available for Assignment" equals zero within a switching entity/POI or, conversely, when the quantities of "Working Telephone Numbers" plus "TN's Unavailable for Assignment" equal 10,000 times the quantity of existing CO codes (NXX) assigned to a switching entity/POI. Where CO code sharing occurs or partial CO codes are assigned to a switching entity/POI, the latter number should be adjusted accordingly.

**Certify**

(When used by the applicant): As part of the Central Office Code (NXX) Assignment request, to confirm, through a formal statement information contained within the assignment request is true, accurate, and complete to the best of his/her knowledge.

(When used by regulator): Where applicable, to authorize, in writing, an entity to provide a telecommunications service in the relevant geographic area. Such authorization is the responsibility of the appropriate regulatory agency.

Central Office code Utilization Survey (COCUS) is conducted annually by NANPA from direct input received from Central Office Code Administrator(s) in order to monitor central office code utilization, projected exhaust of NPAs and demand for new NPAs to provide code

relief. The purpose of COCUS is to provide an annual overall view of both present and projected CO code (NXX) utilization for each NPA in the NANP.

Code Administrator	Entity(ies) responsible for the administration of the NXXs within an NPA.
Code Holder	The entity to whom a CO code (NXX) has been assigned for use at a Switching Entity or Point of Interconnection it owns or controls.
Code Protection	Code protection is an arrangement where a central office code assigned in one NPA is not assigned in an adjacent NPA, thereby becoming projected to allow 7-digit dialing across the common boundary.
Conservation	Consideration given to the efficient and effective use of a finite numbering resource in order to minimize the cost and need to expand its availability in the introduction of new services, capabilities and features.
Effective Date	The date by which routing and rating changes within the PSTN must be complete for the assigned code. Also, the date by which the code becomes an active code.
INC	Industry Numbering Committee, a standing committee of the Industry Carriers Compatibility Forum (ICCF) that provides an open forum to address and resolve industry-wide issues associated with the planning, administration, allocation, assignment and use of numbering resources and related dialing considerations for public telecommunications within the North American Numbering Plan (NANP) area.
Initial Code	The first geographic NXX code assigned at a unique switching entity or point of interconnection.
In Service	An active code in which specific subscribers or services are utilizing assigned telephone numbers.
Interchangeable NPAs	Refers to an industry plan to expand substantially the

supply of Numbering Plan Area codes (NPAs) in January 1995, by removing the restriction that the second digit of the NPA must be a 0 or 1.

**Jeopardy NPA**

A jeopardy condition exists when the forecasted and/or actual demand for NXX resources will exceed the known supply during the planning/implementation interval for relief. Accordingly, pending exhaust of NXX resources within an NPA does not represent a jeopardy condition if NPA relief has been or can be planned and the additional NXXs associated with the NPA will satisfy the need for new NXX codes.

**LATA**

Local Access and Transport Area, also referred to as service areas by some BOCs, and serve two basic purposes: to provide a method for delineating the area within which the BOCs may offer services and, to provide a basis for determining how the assets of the former Bell System were to be divided between the BOCs and AT&T at divestiture.

**LERG**

Local Exchange Routing Guide: contains information about the local routing data obtained from the Routing Data Base System (RDBS). This information reflects the current network configuration and scheduled network changes for all entities originating or terminating PSTN calls within the NANP excluding Canada.

**Major Vertical Coordinate**

A five-digit number used with the Vertical Coordinates and Horizontal Coordinates to pinpoint the location of a rate center. The Vertical and Horizontal Coordinates can be used to calculate mileage measurements between two rate centers that is used to determine the appropriate mileage rates in determining the charge for message telephone service calls.

**Minor Vertical Coordinate**

A five-digit number used with the Vertical Coordinates and Horizontal Coordinates to pinpoint a more specific location. The Minor Vertical and Horizontal Coordinates can be used to divide rate centers into zones for more specific distance calculations. Most often used to rate

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interstate messages when straight distance between the calling and called point is less than forty miles.

Months to Exhaust =  $\frac{\text{TNs Available for Assignment}}{\text{Growth (Quantity of Lines added per Month)}}$

**NANP** The North American Numbering Plan is a numbering architecture in which every station in the NANP Area is identified by a unique ten-digit address consisting of a three-digit NPA code, a three digit central office code of the form NXX, and a four-digit line number of the form XXXX.

**NANPA** North American Numbering Plan Administration. With divestiture, key responsibilities for coordination and administration of the North American Numbering/Dialing Plans were assigned to NANPA. These central administration functions are exercised in an impartial manner toward all industry segments while balancing the utilization of a limited resource.

**NANP Area** Consists of the United States, Canada and the Caribbean countries currently in NPA code 809.

**NPA** Numbering Plan Area, also called area code. An NPA is the 3-digit code that occupies the A, B, and C positions in the 10-digit NANP format that applies throughout the NANP Area. NPAs are of the form N0/1X, where N represents the digits 2-9 and X represents any digit 0-9. After 1/1/95, NPAs will be of the form NXX. In the NANP, NPAs are classified as either geographic or non-geographic.

a) Geographic NPAs are NPAs which correspond to discrete geographic areas within the NANP Area.

b) Non-geographic NPAs are NPAs that do not correspond to discrete geographic areas, but which are instead assigned for services with attributes, functionalities, or requirements that transcend specific geographic boundaries. The common examples are NPAs in the N00 format, e.g., 800.

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NPA Code Relief	NPA code relief refers to an activity that must be performed when an NPA nears exhaust of its 640 NNX or the 792 NXX capacity. Relief is typically provided to an NPA about a year before its capacity is reached. NPA Code Relief for an NPA that is nearing the 640 NNX limit is usually provided in the form of implementing interchangeable central office code (ICOC) which provides an additional 152 assignable central office codes. An NPA that has been implemented as ICOC has a capacity of 792 assignable NXX central office codes. Providing code relief to such an NPA normally takes the form of assigning a new NPA for an NPA split or overlay. Another option is changing the boundary of the existing NPA.
NPA Relief Date	The date by which the NPA is introduced and routing of normal commercial traffic begins.
OCN	<b>Operating Company Number (OCN) assignments which must uniquely identify the applicant. Relative to CO Code assignments, NECA assigned Company Codes may be used as OCNs. Companies with no prior CO Code or Company Code assignments may contact NECA (201 884-8355) to be assigned a Company Code(s). Since multiple OCNs and/or Company Codes may be associated with a given company, companies with prior assignments should direct questions regarding appropriate OCN usage to Bellcore's Traffic Routing Administration (TRA) (908 699-6700). (See Part 1, Footnote 4)</b>
Point of Interconnection (POI)	The physical location where a carrier's connecting circuits interconnect for the purpose of interchanging traffic on the PSTN.
Premature Exhaust	<u>(When referring to NANP):</u> Premature exhaust means the exhaust of NANP resources (i.e., requires expansion beyond the 10-digit format) much sooner than the best industry projections. The NANP is expected to meet the numbering needs of the telecommunications industry well

into the 21<sup>st</sup> century (i.e., a minimum of 25 years).

(When referring to NPA): Premature exhaust is when a specific date for NPA relief has been established and the NPA is projected to exhaust prior to that date.

**Private Networks**

Private networks are composed of stations which are not directly accessible from all PSTN stations via the use of NANP E.164 numbers.

**PSTN**

Public Switched Telephone Network. The PSTN is composed of all transmission and switching facilities and signal processors supplied and operated by all telecommunications common carriers for use by the public. Every station on the PSTN is capable of being accessed from every other station on the PSTN via the use of NANP E.164 numbers.

**Rate Center**

A geographically specified point used for determining mileage-dependent rates for PSTN calls.

**RDBS**

The Routing Data Base System (RDBS) contains a complete description of all Local Exchange Companies' networks in the NANP Area (except, currently Canada) and pertinent information relating to the networks of other code holders. This provides information for, (1) message routing, (2) common channel signaling call setup routing, and (3) operator service access routing.

**Reassignment**

Refers to the transfer of a working or assigned NXX from one switching entity/POI to another.

**Reserved CO Codes**

A code that has been identified and set aside by the Code Administrator(s) for some specific use or purpose. This code is not available for assignment but neither has it been officially assigned by the Code Administrator(s) to an entity.

**Service Providers**

Any entity that is authorized, as appropriate, by local governmental, state, federal or the NANP Area governmental authorities to provide communications services to the public.

Switching Entity	An electromechanical or electronic system for connecting lines to lines, lines to trunks, or trunks to trunks for the purpose of originating/terminating PSTN calls. A single switching system may handle several central office codes.
Technical Requirement	A limitation of the Point of Interconnection or Switching Entity where an existing code and/or numbers cannot be use for designated network routing and/or rating of PSTN calls.
Terminating Point Master	The TPM contains all the active NPA and CO code (NXX) combinations in the NANP and for each of these points the following is provided: Major Vertical and Horizontal coordinates, LATA/LATA-like code, LATA subzone code, RAO code, place and state, province or country name abbreviation, and time zone indicator.
TN's Available for Assignment	The quantity of telephone numbers within existing CO codes (NXX) which are immediately available for assignment to subscriber access lines or their equivalents within a switching entity/POI.
TN's Unavailable for Assignment	The quantity of telephone numbers within existing CO codes (NXX) which are neither "Working Telephone Numbers" as defined below, nor available for new assignments as working telephone numbers within a switching entity/POI. Examples include numbers required for maintenance testing, numbers reserved for specific customers or specific services, disconnected numbers on intercept, pending connects or disconnects, etc.
Working Telephone Numbers (TN's)	The quantity of telephone numbers within existing CO codes (NXX) which are assigned to working subscriber access lines or their equivalents, e.g., direct inward dialing trunks, paging numbers, special services, temporary local directory numbers (TLDNs), etc., within a switching entity/POI.

**ADAIR**

**EXHIBIT 2**



"The One to Call On".

January 6, 1997

Jim Deak  
NANP Administrator  
PYA 1G 278  
6 Corporate place  
Piscataway, New Jersey 08864-4157

Jim

This letter serves as notification of the need to declare a Jeopardy situation in the 405 NPA. As you know, a Jeopardy situation exists within an NPA when the forecasted and/or actual demand for NXX resources will exceed the supply of NXX's prior to NPA relief. This is the situation we are faced with in the 405 NPA.

The industry NPA relief planning process for the 405 NPA began in December of 1996. A specific jeopardy plan will be developed by the Industry to manage the NXX resource through the NPA relief planning and implementation process. Once a final plan is developed by the Industry, I will forward details to you for review.

If you have any questions regarding this issue, feel free to call me on 913-676-1539.



CO Code Administrator

**ADAIR**

**EXHIBIT 3**

North American Numbering Plan  
Planning Letter

Number: PL-NANP-031

Date: January 15, 1997

From: J. N. Deak - NANP Administration  
908-699-6612, jdeak @ notes.cc.bellcore.com

Subject: Declaration of Jeopardy Situation in NPA 405 (Oklahoma)

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We have been advised by Southwestern Bell Telephone, central office code administrator for the 405 Numbering Plan Area (NPA), that demand and forecasted requirements for NXX codes in the 405 NPA in Oklahoma has increased significantly. As a result, the 405 NPA is in jeopardy of exhausting prior to when relief can be provided. According to the *Central Office Code (NXX) Assignment Guidelines*, "A jeopardy condition exists when the forecasted and/or actual demand for NXX resources will exceed the known supply during the planning/implementation interval for relief."

Until relief can be provided, the special conservation measures outlined in Section 8.4 and other appropriate sections of the *Central Office Code (NXX) Assignment Guidelines* will be invoked for the 405 NPA (refer to document INC 95-0407-008, revision 9/96).

Questions concerning the relief of the 405 NPA may be directed to Bill Adair, Southwestern Bell, at 913-676-1539.

Questions concerning the contents of this letter may be referred to Jim Deak, Bellcore, at 908-699-6612.



J. N. Deak  
North American Numbering Plan Administration