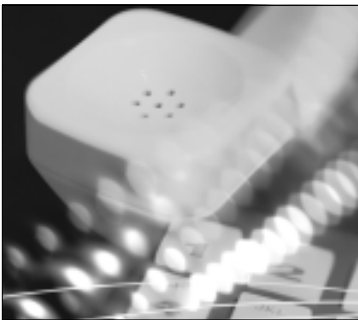
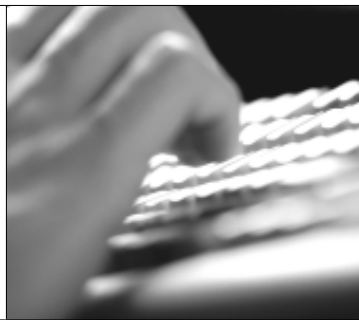


# NANPA Numbering News



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December 1999/January 2000



**NeuStar, Inc.**

1120 Vermont Ave., NW  
Washington, DC 20005

Provided by the North American Numbering Plan Administration (NANPA)

## NANPA Transfers from Lockheed Martin to NeuStar, Inc.

On Nov. 30, the transaction agreement between Lockheed Martin and Warburg, Pincus was finalized, approving the transfer of Lockheed Martin's Communications Industry Services (CIS) group to NeuStar, Inc. This follows the FCC's order on Nov. 17, which approved the transfer of the North American Numbering Plan Administration (NANPA) from Lockheed Martin to NeuStar, Inc.

"NeuStar will continue to provide the same high-quality, neutral, third-party clearinghouse services to the telecommunications industry as we did under Lockheed Martin," said Jeff Ganek, Chairman and Chief Executive Officer of NeuStar. "The change to our customers will be transparent. We will still provide the same level of service, with the same systems and the same staff."

NeuStar, which is based in Washington, D.C., was formed as an independent company committed to administering high-quality, evenhanded and competitively neutral services to the telecommunications industry. Last year, Lockheed Martin announced it was entering the market for telecommunications network services. To maintain the neutrality of the NANPA, Lockheed Martin agreed to transfer CIS to NeuStar, which is a new company formed by NeuStar management and employees. Financing for NeuStar is provided by Warburg, Pincus, a New York-based private equity investor.

In addition to serving as the NANPA, NeuStar also manages the database that is a critical component for the routing of all telephone calls in North America as the Local Number Portability Administrator (LNPA). All telecommunications carriers in the United States and Canada connect to NeuStar's Number Portability Administration Center (NPAC) in Chicago.

In another neutral, third-party role, NeuStar serves as the administrator for number pooling trials in Illinois, New York, California, and Maine. Number pooling is the technology that allows phone numbers to be assigned in blocks of 1,000, instead of the telephone network-mandated structure of 10,000 numbers blocks.

"We remain committed to working with the FCC, the North American Numbering Council, the telecommunications industry and state regulatory agencies to ensure that our valuable numbering resources are conserved and efficiently utilized," said Ganek. **NS**

### Update on NPA Exhaust

As stated after the release of the April 1999 COCUS and NPA Exhaust Analysis, NANPA committed to providing a review of the NPA projections in the 4Q99. NANPA is nearing completion of its review of the exhaust projection for each of the geographic area codes in the U.S. Using assignment data over the past eight months (April 1 – December 1, 1999), NANPA is examining the predicted versus actual number of central office code assignments. Adjustments to the projected NPA exhaust will be made accordingly. When complete, a copy of the results will be posted to the NANPA web site ([www.nanpa.com](http://www.nanpa.com)).

Due to the significant demand for CO codes and the increasing number of area codes in jeopardy and/or relief, NANPA believed that waiting another year for COCUS input prolonged the need to review and update NPA exhaust projections. **NS**

## CO Code Statistics for October and November\*

	# of Codes Assigned	# of Changes	Suspensions	Denials	Canceled or Withdrawn	Disconnected	# of Reserved	Lottery Denial	Total # of Requests
October	1073	873	122	35	32	88	9	633	3003
November	1460	908	150	282	61	163	14	615	3768

\*December statistics not available at presstime.

## NANPA Working to Satisfy Customer Expectations – Part II

In the last issue of the *NANPA Numbering News*, we reported on NPA relief planning’s performance in the coordination of the industry meetings. But the meetings themselves represent one link in a chain of activities, (e.g., meeting notices, meeting minutes, code assignments, press releases, etc.), that culminate in the final approval and successful implementation of a relief plan. To monitor and track the completion of key project milestones, NANPA created a series of performance measurements that mirror the range of activities necessary to complete successfully each and every relief planning project.

Relief planning begins with the initial relief planning meeting which allows 30-36 months from start to finish of an NPA relief project. The intervals for completion of key milestones were developed from industry input during the transition of relief planning to NeuStar from the incumbent administrators which began in February 1998 and concluded 13 months later in March 1999. These milestones include the following:

- NANPA notifies industry participants at least six weeks prior to the initial meeting, including the purpose of the meeting and logistics.
- Not later than four weeks prior to the initial meeting, NANPA distributes an Initial Planning Document (IPD) describing a number of relief alternatives, e.g., geographic splits and overlays.
- After each meeting or conference call, NANPA publishes meeting minutes within two weeks, or at an interval agreed to by the participants.
- NANPA formally submits to the responsible state regulatory agency a filing of the industry’s recommendation for relief normally within a period not to exceed six weeks, or an alternate firm date specified by the industry.

(Continued on Page 4)

## CO Code Reclamation Success

### MCI-Worldcom Returns 77 NXXs

A significant and ongoing effort of NANPA is the reclamation of central office codes. NANPA has been working with past CO Code Administrators in all regions to follow-up on outstanding Part 4 certifications for assignments prior to NANPA transition.

In addition, NANPA purged CO code records and investigated CO codes identified as “unavailable for assignment” (e.g., protected codes, test codes, etc.) with the goal of reducing their number and making the codes available for assignment to service providers. This effort has been very successful.

As a result of this analysis, NANPA was able to reduce the number of CO codes identified as “unavailable” by over 680 codes. Further, this examination also resulted in a large number of codes listed as “assigned” being returned to the pool of available CO codes. In total, over 1000 CO codes were made available for assignment.

Not only has NANPA been very active in the recovery of codes, service providers have also gotten into the act. Recently, MCI-Worldcom voluntarily returned 77 CO codes for which it found it did not have an immediate need. This behavior is strongly encouraged by the NANPA and endorsed by the North American Numbering Council (NANC).

The return of NXX codes helps to prolong the lives of the area codes in which they are returned. All service providers should continually examine their numbering inventories and return surplus NXX codes, as is their obligation under industry guidelines regarding number administration practices. The current numbering situation requires the entire industry to be committed to efficient deployment of our numbering resources. **NS**

**If you would like to be added to the mailing list  
or have any story ideas, please e-mail  
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## More States Receive FCC Approval

On November 30, the FCC added Texas, Connecticut, Wisconsin, Ohio, and New Hampshire to the list of states granted delegated authority to implement various conservation measures, including thousand block number pooling, bringing the total number of states granted authority to 10. California, Florida, Massachusetts, New York, and Maine were granted similar authority in September.

The FCC granted Texas, Connecticut, Wisconsin, Ohio, and New Hampshire the authority to implement mandatory number pooling trials, as well as a number of other conservation measures, subject to limitations identical to those in the earlier FCC decisions. Although the grants of authority are specific to what each state requested, the FCC generally delegated authority to: set NXX code allocation standards; reclaim unused and reserved NXX codes, and thousand-number blocks within those codes; investigate and order the return of reserved and protected NXX codes; require sequential number assignment; require the submission of utilization and forecast information; audit carriers' use of numbering resources; maintain rationing procedures for six months following area code relief; institute thousands-block pooling trials; and require carriers to demonstrate facilities readiness and setting fill rates.

Twelve additional states – Nebraska, Indiana, Utah, Missouri, Iowa, Tennessee, Georgia, North Carolina, Virginia, Colorado, Washington and Pennsylvania – have petitions for delegated authority pending with the FCC. The above table summarizes the action of the FCC in regards to granting states' petitions for delegated authority. In addition, several states have already held implementation meetings, which are highlighted above.

### New York

On November 17, the New York Department of Public Service (NYDPS) ordered number pooling to be implemented by April 1, 2000, in NPA 716, and is working to expand the voluntary number trials now running in the 212 and 718 NPAs. A pooling implementation meeting was held December 9, at which time an implementation schedule was set for number pooling to begin in the 716 NPA on April 1, 2000.

### Florida

Florida Public Service Center (PSC) held number conservation workshops following their delegated grant of authority. At a workshop on October 20, five issue groups were formed under the direction of a Steering Group with the oversight of Commission Staff.

### Massachusetts

The Massachusetts Department of Telecommunications and Energy (MDTE) held their first number pooling implementation meeting on

Granted State Petitions	Filing Date	Released for Comments & Grant of Authority
New York	2/19/99	3/5/99 & 9/15/99
Florida	4/2/99	4/15/99 & 9/15/99
Massachusetts	2/17/99	3/5/99 & 9/15/99
California	11/3/99 & 4/23/99	1/6/99 & 5/14/99 & 9/15/99
Maine	3/17/99	4/1/99 & 9/29/99
Texas	7/2/99	7/14/99 & 11/30/99
Connecticut	7/28/99	8/5/99 & 11/30/99
Wisconsin	8/5/99	8/12/99 & 11/30/99
Ohio	9/13/99	9/29/99 & 11/30/99
New Hampshire	9/15/99	9/15/99 & 11/30/99
Pending State Petitions	Filing Date	Comments Due & Reply Comments Due
Nebraska	9/14/99	12/3/99 & 12/17/99
Indiana	10/21/99	12/3/99 & 12/17/99
Utah	10/25/99	1/7/00 & 1/21/00
Missouri	11/1/99	1/7/00 & 1/21/00
Iowa	11/10/99	1/10/00 & 1/24/00
Tennessee	11/17/99	1/20/00 & 2/3/00
Georgia	11/19/99	1/20/00 & 2/3/00
North Carolina	11/29/99	1/20/00 & 2/3/00
Virginia	11/29/99	1/20/00 & 2/3/00
Colorado	12/16/99	TBD
Washington	12/8/99	TBD
Pennsylvania	12/23/99	TBD

October 21. MDTE has collected detailed information on the tasks necessary for carriers to implement number pooling using Release 1.4 by April, June, or October of 2000 and the costs of using Release 1.4 versus Release 3.0. The MDTE also asked carriers for their porting (SCP) capacity, as well as whether they can commit to various pooling start dates.

### California

In October, the California Commission issued orders mandating number pooling for both the 310 and 818 NPAs and suspending the implementation of overlays in those areas. California held a pooling implementation meeting on November 9, and will begin pooling in the 310 NPA on March 18, 2000.

Also, on December 16, the CPUC released a decision that suspended the planned overlays and 1+10 digit dialing for the 408, 415, 510, 650, 714, and 909 NPAs. Finally, the decision mandated use of thousand-block number pooling, recovery of unused /NXX codes, and the filing of NXX utilization studies by carriers.

### Maine

Maine held a pooling implementation meeting on November 18, at which time an implementation schedule was set for number pooling to begin in the 207 NPA on June 1, 2000. **NS**

## Revised Pooling FAQs Released

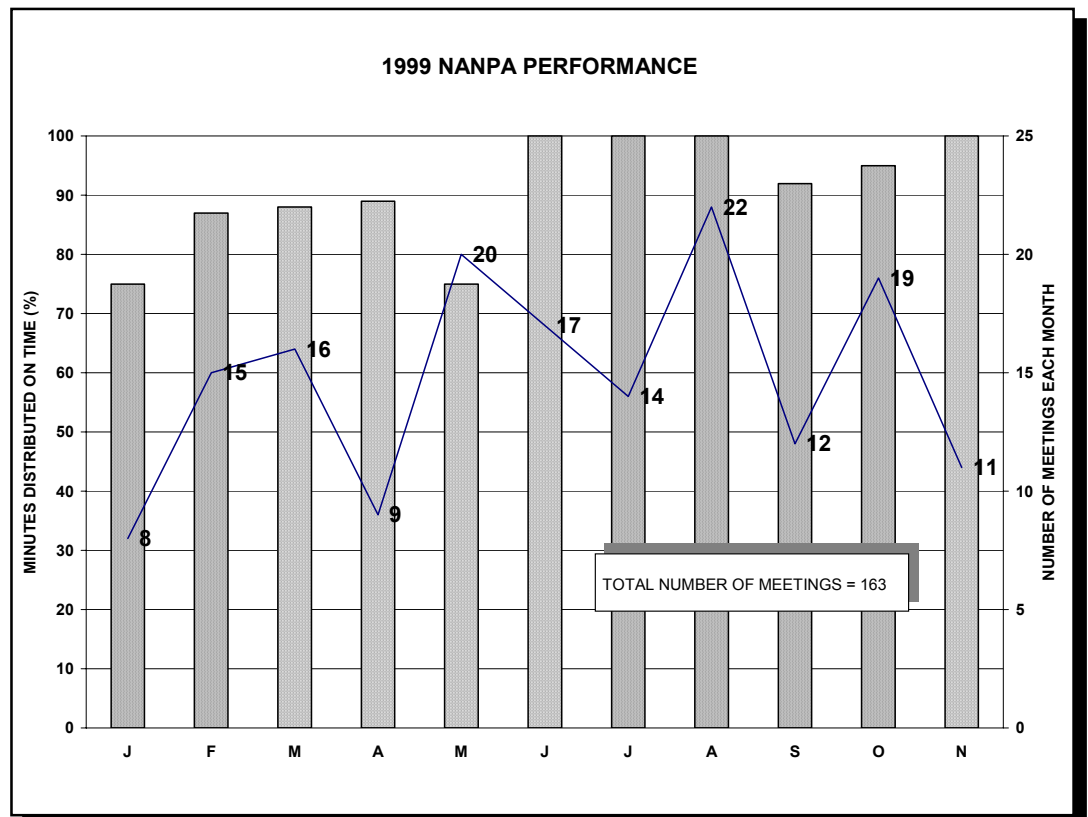
After a great deal of work between various representatives in the industry, a revised list of Frequently Asked Questions (FAQs) about pooling can be found at [www.nanpa.com](http://www.nanpa.com) under "Reports." The FAQs are a means to answer some commonly asked questions regarding number pooling and have been updated with additional information. Should you have any questions regarding them, please call or e-mail John Manning at 202-533-2655 or [john.manning@neustar.com](mailto:john.manning@neustar.com).

## NANPA Working to Satisfy Customer Expectations – Part II (continued from page 2)

- Within one week after a state regulator authority has formally approved a relief plan, the NPA relief planner requests the assignment of the new NPA relief code.
- After the new relief code has been assigned, NANPA: (a) issues a press release announcing the details of the relief plan to the public within two weeks, and (b) announces within three weeks the date when the first industry implementation meeting will be held.
- In those circumstances where an area code has been declared to be in jeopardy, NANPA schedules a meeting or conference call not later than four weeks after the declaration so that the industry may review and approve final conservation plans.

NANPA tracks monthly each of the milestones mentioned above and reports performance compared to established thresholds (100% for all milestones). For thresholds not met an analysis identifies: (1) the reason for the missed objective, and (2) the appropriate corrective action to prevent recurrence. For example, early in the transition process the method of distributing documents proved to be too cumbersome by fax and contributed to missed deadlines. The faxing process, at that time, was streamlined, and later replaced by the electronic Document Distribution Service, which can be accessed through the website, [www.nanpa.com](http://www.nanpa.com).

As an overview of NANPA's performance monitoring process in meeting the established thresholds, the following chart below shows the results so far in 1999 in meeting the goal of distributing meeting minutes on time. In each case where thresholds were not met, specific and immediate corrective measures were identified and implemented. Moving forward, it is NANPA's intention to develop appropriate new performance measures, in conjunction with our customers, to further refine and improve the area code relief planning process. **NS**



## COCUS 2000 Coming Soon

Plans are underway for the 2000 Central Office Code Utilization Survey (COCUS). COCUS is an annual survey of current and potential central office code holders to monitor central office code demand, project the exhaust of area codes and the demand for new NPAs needed for area code relief.

The success of COCUS in predicting NPA exhaust depends on having complete and up-to-date information on the need for central office codes. To that end, the industry is currently revising the Central Office Code (NXX) Assignment Guidelines to require service providers to submit a COCUS prior to receiving NXX resources in an area code. Specifically, in order to obtain central office codes, a service provider must submit or have submitted a COCUS to the NANPA for the NPA(s) in which the central office code(s) is being requested. Without a COCUS on file, resources will not be assigned. It is expected this requirement will be approved in January 2000.

To assist in submitting COCUS this year, NANPA will provide the capability on its web site at [www.nanpa.com](http://www.nanpa.com) to allow a service provider to enter COCUS information and send it directly to NANPA. NANPA strongly encourages the use of this data submission method since it will greatly enhance the speed by which the COCUS results can be tabulated and NPA exhaust projections made public. Service providers will also have the option of completing the COCUS form and submitting it via fax or mail to NANPA. These forms should be addressed to NANPA – NeuStar, Inc., 1120 Vermont Avenue NW, Suite 550, Washington DC 20005 (Fax: 202-887-0331). A copy of the forms can also be found on [www.nanpa.com](http://www.nanpa.com).

As in the past, NANPA will maintain the confidentiality of the data and the public will see only aggregated results. **NS**

## Growth Trends Continue in CO Code Assignments

At the November meeting of the North American Numbering Council (NANC), the NANPA reported on the central office (CO) code assignments made for the first three quarters of 1999. From Jan. 1-Sept. 30, 11,936 NXX codes were assigned, which represents the total number of CO codes assigned less any CO codes reclaimed by the NANPA. For the same period, 164 codes were reclaimed.

	1Q99	2Q99	3Q99	Total
CLEC	1,983	2,316	2,392	6,691
CMRS	1,101	942	884	2,927
ILEC	419	427	325	1,171
Paging	312	402	433	1,147
TOTAL	3,815	4,087	4,034	11,936

*1999 CO Code Growth Summary (1/1/99 - 9/30/99)*

When the CO Code assignments made through the 3Q99 are annualized, the industry is on pace to assign over 15,900 codes in 1999, which is approximately 1,000 more than were projected in the 1999 NANP Exhaust Study.

In addition, the NANPA reported that as of September 30, there were 73 NPA codes in rationing, which is approximately 30% of the total U.S. geographic area codes. **NS**

## New NPA Relief Planning Tool Developed

A new NPA forecasting model has been developed, due to the increasing frequency and complexity of the NPA relief decisions and a need for national uniformity in NPA forecasting. This new model will allow NANPA NPA Relief Planners to estimate the lives of various NPA relief alternatives in a uniform and flexible manner. As compared to the model previously used by NPA Relief Planners for the same purposes, this new model features more mechanization, affording quicker and more accurate results.

The new planning tool uses current Local Exchange Routing Guide (LERG) data and NANPA forecast data. It also allows for specific user input to address NPA-specific issues. Another feature of the new model is that it will allow the NPA Relief Planner to determine the number of wireless carrier codes that may be candidates for grandfathering. The model will further show the effect grandfathering may have on the lives of the NPA using different relief alternatives. The release of protected central office codes resulting from the 10-digit dialing requirement in an overlay is incorporated into the model as well. The resulting forecast can be calculated in two phases utilizing different assumptions: pre-relief growth and post-relief growth.

Future developments to this model may include incorporating the COCUS competitive LEC growth at the rate center level, and data input at the thousands block level to account for number pooling. NANPA will immediately begin using this new tool in its NPA relief efforts across the country. **NS**



## A Word from NeuStar’s Chairman and CEO

I’m happy to announce that on December 1, the Communications Industry Services (CIS) group of Lockheed Martin IMS has been divested to NeuStar, Inc., a new, free-standing independent company. This follows the FCC’s approval on November 17 to transfer CIS to NeuStar, Inc.

As we continue to serve all segments of the industry as the North American Numbering Plan Administrator (NANPA), we will do so under our new name, NeuStar, Inc.

While our name and corporate structure are new, our vision remains the same as in the past, and the transition will be seamless to our customers. NeuStar will continue to provide evenhanded, neutral third-party clearinghouse services to the telecommunications industry. We remain focused on providing high quality, reliable and responsive services to all industry segments, and are dedicated to delivering the best solutions to meet the needs of the competitive industry. NeuStar retains the same experienced management team and knowledgeable, dedicated staff as we did under Lockheed Martin.

Though our goals remain the same, our industry continues to change. As NeuStar, we will strive to meet the industry’s growing requirements for transaction and administrative services that facilitate the interoperability of competing telecommunications customer groups. And we will continue to work with all industry segments – from regulators to service providers – while ensuring our neutrality, which is so critical to numbering resources.

NeuStar’s team is pleased to serve as the NANPA, and we look forward to continuing to provide and build on the same excellent service you have come to expect from us—and that you deserve.

## By the Way...

- Drawing area code maps has become more and more difficult as the number of area codes has increased. The hand-drawn maps that sufficed for many years are no longer adequate. Recognizing this, NANPA turned to Geographic Data Technology (GDT) for help, and they have prepared a series of U.S. state and area maps that will be available soon on the website, [www.nanpa.com](http://www.nanpa.com). Since the maps are generated from detailed area code boundary data, they are much more accurate than the ones they replace. Those who attend NPA relief planning meetings have already seen examples of GDT’s work. The maps used to display various relief options are based on GDT’s data.
- Each year the NANPA Oversight Working Group conducts a formal evaluation of NANPA’s performance. To provide input to the evaluation, fill out the questionnaire that will soon be posted on the ATIS web site, [www.atis.org](http://www.atis.org).
- For those interested in Canadian numbering activities, the Canadian Numbering Administrator maintains a web site at [www.cnac.ca](http://www.cnac.ca). This website lists central office code assignments in Canada, among many other things of interest.

- NANPA has received a request from Guyana to join the North American Numbering Plan. Per industry guidelines, NANPA has forwarded this request to NANP member countries and the Industry Numbering Committee (INC) to obtain their position with regard to this request. **NS**

## NANPA Numbering News

*A NANPA bi-monthly publication*

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