

# **Number Resource Utilization and Forecast (NRUF) Reporting 2003 Operations Review**



- Semi-annual reporting of utilization and forecast data by all carriers
  - February 1 (July 1 - Dec. 31) and August 1 (Jan. 1 - June 30) reporting cycle
- Error detection and notifications
  - Initiated upon submission with email notification identifying error(s) within five (5) working days of submission
- Missing Utilization Notifications
  - Notification to SP that submitted Form 502 but failed to report utilization on codes assigned to them according to NANPA assignment records (notifications sent within 45 days of submission deadline)
- Anomalous Notifications
  - Notification to SP that failed to submit Form 502 to NANPA (ongoing)
- Provide SP-specific NRUF data to state commissions and the FCC
  - States must have appropriate confidentiality protections in place
  - Data provided 45 days after submission deadline (sooner if requested by the state)
- Ongoing updates to NRUF data between reporting cycles
  - SPs update information in order to ensure NRUF on file when requesting initial or growth resources

- NANPA processed over 13,400 Form 502 submissions in 2003
  - Quantity of forms rejected - 170 (70% of rejections due to FRN requirement introduced in Feb03)
  - Quantity of forms with minor errors – 4,297
  - Quantity of state reports – 143
  - 100% of NRUF updates processed in 5 working days
  - 100% of corrections processed in 5 working days
  - 100% missing utilization notices sent within 45 days
  - 99.99% of phone calls/emails responded to within one business day
  - 100% of updates provided to state within 30 days of change to SP reported utilization data
- Job aid updated 60 days prior to submission deadline
  - Notification sent to the industry at same time

- NANPA-initiated improvements and changes to the NRUF reporting process:

- June 2003 - NANPA conducted four separate NRUF review sessions for service providers – over 200 SPs participated
- September 2003 – State NRUF refresher training conducted
- NANPA developed initial set of Frequently Asked Questions (FAQ) to assist service providers with the new FRN requirement
- Updated NANPA’s Geographic and Non-Geographic Job Aids to instruction regarding:
  - regulatory clarifications (e.g., reporting on contaminated blocks, resold services, new FRN requirement, directions on reporting contamination over 10%)
  - The NRUF process (e.g., timing for updates, determination of what resources to report on, updating forecast during NRUF interim periods, detailed assistance on manipulating data within excel, forecasting need for Location Routing Numbers (LRNs), reporting on donated blocks)
- Provided 16 notifications to reporting carriers via the NRUF email distribution list – reminders of submission deadlines and notification of updates to NRUF Job Aids

- NANPA revised performance measurements with NOWG direction
  - Provided detailed explanations of each of the measurements
  - Distinguished between missing utilization vs. anomalous data

- Comparison of NANPA CAS Data with NRUF Data
  - Inconsistency between NANPA, NRUF and LERG data on code assignments
  - NANPA followed up with service providers to reconcile these inconsistencies
- Prompt updates to states
  - Scheduled or as requested

- NPA Exhaust Projections released June 2003. Methodology similar to 2002 analysis except it was modified to reflect the availability of pooling data not available in previous exhaust projections.
  - Both wireline and wireless service provider block forecasts for area codes in pooling as of December 31, 2002 were available as input to projecting central office code demand.
    - NANPA did not use assumptions (e.g., the 30/40/50 assumption) to estimate the impact of wireline pooling on CO demand.
  - The impact of wireless number pooling was included in NPA exhaust projections.
    - Previously, wireless pooling was not included due to the absence of any actual data indicating the potential impact of wireless pooling on CO code demand.

- Exhaust analysis included the national wireline pooling rollout schedule released April 24, 2002.
- Delta NRUF posted to NANPA web site
  - Eight (8) delta NRUFs published in 2003, impacting 32 area codes (all changes pushed out exhaust date)
  - Items impacting projections included:
    - Significant quantity of code returns
    - Reduction in demand
    - Service providers discontinuing service

- NANPA provided updated NANP exhaust projection in July 2003
  - Coordinated the development of assumptions with the NANC
    - Removed assumptions pertaining to percent reduction in CO code demand due to wireless pooling (included in NPA exhaust projection)
    - Projection based on average yearly demand of 7,000 codes (resulted in 2035 exhaust time frame)
  - Provided detailed description of the study methodology to the NANC
  - Included results based upon assumptions and conducted sensitivity analysis on key assumptions
    - Varied average annual CO code demand
    - Resulted in plus/minus five (5) years on exhaust time frame.

- Central Office Code Activity Report
  - Comparison reports and trend analysis
- NPA Inventory Updates
  - Assignments, NPAs in service, reservations
  - Advised NANC of reclamation of “paid toll free” NPA codes
- NPA Relief Planning Status Report
  - Detailed report on all relief planning activities, to include identification of NPAs projected to exhaust within 12 months
  - Changes in NPA exhaust projections (delta NRUF)
- NRUF Updates
  - Notifications on reporting requirements
- Developed list of grandfathered codes that could be potentially impacted by wireless number portability
  - Worked with wireless industry to ensure accuracy and completeness of report

- NANP Resource Status Update (500, 900, CICs, 555, 456)
  - Identified assignment rates, trends, projected exhaust
  - Notified NANC on the availability of CICs for switchless resellers
- Conducted LRN Survey to gauge potential impact of multiple LRNs per switch on CO code demand
  - Collected over 230 surveys
- Updates on the 2003 NANPA Performance Improvement Plan
- Advised NANC on actions to take with regard to the NANPA AOCN enterprise service
- Provide overview of NANP Administration System (NAS)
- NeuStar Neutrality Audits

- Review of monthly performance measurements and corrective actions taken for CO Code administration, NRUF, NPA relief planning, other resources
- Review of any NANPA complaints (no applicable complaints in 2003!)
- CAS issues
- Updates to the PIP
- CAS/LERG discrepancy progress
- Other real-time issues that involved NANPA and/or numbering

- Other items included such actions as:
  - Creation of Code Administration Tips (CATs)
  - NOWG input on CAS survey
  - Modification of NANPA performance measurements
  - Process for selecting relief NPA
  - Explanation on NANPA process for developing non-rationed demand for NPAs in rationing
  - Reminder to SPs to update CAS when making changes in BIRRDs (i.e., OCN) – issue introduced to INC
  - Discussion of a CAS/NAS user group
  - Submission of delinquent Part 4s
  - Education of states on safety valve process (NANPA created matrix of individual state processes for handling safety valve requests)

- NANPA participated actively in INC in 2003
  - Submitted six (6) new issues
    - ACNA requirement for resellers
    - Recorded announcement period for NPA relief
    - INC form changes to accommodate the deployment of NAS
    - Data integrity of number assignment records
  - Provided twelve (12) contributions
    - Ensured that any NANPA-submitted Issue was accompanied by a NANPA contribution addressing the Issue
  - Continued to co-chair the DMM Workshop
  - Provided input obtained via interaction with the FCC and state regulators

- NANPA annual report
  - Publication in March 2003
- NANPA newsletters
- Electronic mailing lists
  - nanp-info (Planning Letters)
  - code-admin (CO Code Administration)
  - nanpa-newsletter (NANPA Newsletters)
  - Nruf-info (NRUF notifications)
  - nanp-americansamoa

- Web site has become the standard vehicle for publishing numbering information.
  - Significant quantity of “Feedback from NANPA Website”
- New in 2003...
  - Restructuring the city to area code translator which now includes U.S. cities and towns with population greater than 20,000
  - Added new report to list area codes requiring ten digit local dialing.

- NANPA operating under new FCC contract
- Transition to NAS
  - CO code, other resource processing, NNS
  - On-line NRUF
  - Customer education
  - Modifications/updates/enhancements
  - Impact on processes, guidelines, procedures
- Excellent customer service
  - Communication and cooperation

## NANPA 2003 Respondents List

## Industry and Other

1	Alaska Communications Systems
2	Armstrong Telephone Co. - ND
3	AT&T
4	AT&T Wireless Services
5	Bayou Tel. (SURVEY WAS UNREADABLE AND UNUSEABLE)
6	Board of Water Light & Sinking Fund [dba Dalton Utilities]
7	CGI (dba Communigroup of Jackson)
8	Chester Telephone Company
9	Choice One Communications
10	City of Brookings Mun. Tele. Dept
11	Colo Telephone Company
12	Comanche County Telephone Company, Inc.
13	Comcast Business Communication
14	Concord Telephone Co./CTC Exchange Services, Inc.
15	CTC Communications Corp
16	DayStar Communications
17	DeKalb Telephone Cooperative, Inc.
18	DFT Communications
19	Dunkirk and Fredonia Telephone Co. Cassadaga Telephone Corp, DFT Local Service
20	Duo County Telephone Coop.
21	Egyptian Telephone Cooperative Association
22	EMPTY (Wyoming)
23	Forkum TwinLakes (NO DATA ON FORM)
24	Freedom Ring (DBA BayRing Communications)
25	Hayneville Fiber Transport, Inc.
26	Hemingford Cooperative Telephone Company NANPA
27	Iowa Telecom
28	KanOkla Telephone Assn
29	Kennebec Telephone Co. Inc
30	Ker Services
31	Laurel Highland Telephone Company
32	Level 3 Communications
33	Livingston Telephone Company, Inc.
34	Marrelli WF EMPTY
35	Mathews Radio Service
36	Mid-Tex Cellular, Ltd.
37	Monon Telephone Company Inc.

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38	NetCarrier Telecom, Inc.
39	Newsouth Communications. Inc.
40	No Name On Actual Survey [Seegraves United]
41	North Texas Telephone Company
42	NTS Communications, Inc.
43	NY Dept of Public Service
44	Oklahoma Telephone and Telegraph, Inc.
45	Oneida Telephone
46	Panhandle Telephone Cooperative, Inc.
47	PBT Telecom, Inc.
48	Peoples Rural Telephone Coop Corp Inc
49	Perry-Spencer Rural Telephone Coop
50	Puerto Rico Telephone Co.
51	Qwest
52	Range Telephone Coop.B37
53	Red River Telephone
54	RFB Cellular Inc
55	Rural Telephone Company
56	Siskiyou Telephone Co.
57	Skyline Telephone Membership Corporation
58	South Central Wireless Inc [dba SCTelecom}
59	Sprint Local
60	Sprint Spectrum
61	SureWest Communications
62	Telephone Electronics Corp [TEC]
63	Verizon
64	Verizon Wireless
65	West Liberty Telephone Co
66	Western Wireless Corporation
67	WestLink Communications
68	Wood County Telephone
69	Wyoming Mutual

## NANPA 2003 Respondents List

## Public Utility Commissions

1	California Public Utilities Commission
2	City of Lakeland
3	CT Department of Public Utility Control
4	Florida Public Service Commission
5	Georgia Public Service Commission
6	Illinois Commerce Commission
7	Kentucky Public Service Commission
8	Maine Public Utilities Commission
9	Michigan Public Service Commission
10	Missouri Public Service Commission
11	Nebraska Public Service Commission
12	New Hampshire Public Utilities Commission
13	New Jersey Board of Public Utilities
14	North Carolina Utilities Commission
15	Oklahoma Corporation Commission
16	PA Public Utility Commission
17	Public Service Commission of West Virginia
18	Public Service Commission of Wisconsin
19	Public Utilities Commission of Ohio
20	Public Utility Commission of Texas
21	SAIC Canada
22	Washington Utilities & Trans. Commission

**NANPA  
2003  
Annual  
Performance  
Survey's**

The following appendix has been provided to the FCC, NANPA, and the NANC Chair. It is available upon request to any other interested party.