I.   **Time, Date and Place of Meeting:** The North American Numbering Council held a meeting commencing at 8:30 a.m., at the Federal Communications Commission, 1919 M Street, N.W., Washington, D.C.

II.   **List of Attendees:**

A. Council Members

	Voting Members	Organization
1.	Heather Burnett Gold	ALTS
2.	Colette Capretz	American Mobile Satellite
3.	Woody Kerkeslager	AT&T
4.	David Whyte	AT&T Canada
5.	Dan Hochvert	Bell Atlantic
6.	Brian Fontes	CTIA
7.	Ronald Binz	Competition Policy Institute (CPI)
8.	Carol Ann Bischoff	CompTel
1.	Alan Hasselwander	Frontier
10.	Ted Noeker	GTE
11	Peter Guggina	MCI
12.	Gerry Thompson	Mobility Canada
13.	Bridget C. Szczech	NARUC
14.	Vincent Majkowski/Bruce Armstrong	NARUC
15.	Larry Krevor	Nextel Communications, Inc.
16.	Joe Kingrey	Northern Telecom
17.	Anna Miller	Omnipoint
18.	Trent Boaldin	OPASTCO
19.	Cathy Handley	PCIA
20.	Mike Bennett	SBC
21.	Ron Havens	Sprint
22.	Diane Little	Sprint SpectrumPCS
23.	Jacques Sarrazin	Stentor Resource Centre, Inc.
24.	Ed Gould	Teleport
25.	Dan Bart	TIA
26.	Paul Hart	USTA

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John Manning   ATIS
Leo Mevel   CRTC Industry Canada

III. **Estimated Public Attendance:** Approximately 30 members of the public attended the meeting as observers.

IV. **Documents Introduced:**
   (1) Agenda
   (2) Steering Group Report
   (3) INC Report
   (4) Number Utilization Report - Colorado Public Utilities Commission
   (5) LNPA Working Group Report
   (6) LNP Wireline Wireless Integration Working Group Report, <u>Draft</u>
   (7) Omnipoint Review of LNPA Working Report on Wireline Wireless Integration
   (8) Cost Recovery Working Group Report
   (9) NECA
   (10) NIIF Issue 89 Report
   (11) NANPA Working Group
   (12) N11 Ad Hoc Working Group Report

V. **Summary of the Meeting:**

A. Welcoming Remarks. Chairman Alan Hasselwander provided welcoming remarks and announced that Erin Duffy has been named Alternate Designated Federal Official. The draft meeting minutes for November and December 1997 were approved.

B. Steering Group Report--Dan Hochvert. The Steering Group is developing a master matrix to track NANC items. NANC Working Groups will use ATIS for initial posting of their respective matrices and will provide updates as necessary for uploading to the master matrix. John Banuelos, Bonnie Baca and Mike Whaley are reviewing process guidelines for NANC and its Working Groups.

C. **Numbering Optimization Working Group Report**--**Beth O'Donnell.** Chairman Hasselwander stated that he had received a response to his April 4, 1998 letter to ATIS asking ATIS to participate in the NRO. ATIS will continue to support NANC's efforts, and John Manning, jmanning@ATIS.org, will be the ATIS contact for NANC Working Groups.

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Beth O'Donnell, Co-Chair of the NRO-WG, provided a read out of the April 16, 1998 organizational meeting of the NRO-WG. There were over 60 participants, with representation from industry, 8 state commissions, and 4 consumer groups. The NRO-WG's mission was discussed, and each state commission present provided an update on relief issues and other initiatives in their jurisdictions. Three permanent Co-Chairs were named: Ben Childers, Missouri PSC , Mike Whaley, U S WEST and Beth O'Donnell, NCTA/Cox Communications. An Ad Hoc Organizational Task group was established to create a tentative work plan to be presented at the next NRO meeting on May 11, 1998, along with a tentative work plan and scope/mission statement for the standing task groups. The suggested standing task groups are Analysis, State Initiatives, ITN Pooling, and Technical & Operational. All NRO meetings will be held in Washington, DC from 9:30 a.m. to 5 p.m. to facilitate participation by state commissions.

Beth reported that the question raised at the NRO meeting as to whether the NRO should pursue a plan for individual telephone number pooling for purposes of the September report to the FCC, or should focus the report on 1,000 block pooling only?

Points in Favor of 1,000 Block Pooling Only: (1) NANC previously approved 1,000 block pooling as an initial step, with ITN pooling to be implemented at a later date; (2) widespread agreement exists on the platform and architecture of 1,000 block pooling; (3) implementation of 1,000 block pooling will enable industry to identify problems as well as benefits of pooling; (4) work on 1,000 block pooling has progressed to the point of trials; (5) guidelines and requirements for 1,000 block pooling should be completed in July by LNP Workshop of INC; (6) T&O requirements will be completed by the LNPA WG by June; (7) INC and T1S1 have begun work on 1,000 block pooling, which is based on the LRN platform.

Points in Favor of ITN Pooling for September Report: (1) 1,000 block pooling is taking longer to implement than anticipated; (2) there is no clear transition path to ITN pooling from the current 1,000 block pooling scenario; (3) NANC has agreed that ITN pooling is the ultimate goal; (4) ITN pooling makes available numbers in blocks that exceed the contamination threshold for 1,000 block pooling; (5) ITN pooling is a permanent solution which avoids deployment of multiple technologies at higher costs to industry and consumers; (6) ITN pooling appears to be the most efficient method of number assignment and utilization.

Discussion: There was further discussion regarding 1000s block pooling versus ITN pooling. Chairman Hasselwander stated that NANC is on record as supporting a 1000s block number pooling method that is consistent with a transition to ITN. Given the discussion at NRO regarding whether the industry should go directly to ITN, it was suggested that the NRO establish a task force to work ITN pooling. Chairman Hasselwander stated that if the NRO concludes that going directly to ITN is appropriate, it should come back to NANC. NANC will do nothing to stop what INC is doing on pooling. Chairman Hasselwander further stated that, based on the letter from the FCC, the NRO

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charter is very broad. It, therefore, should look at any solutions that increase efficiency in   number usage, gather facts, and bring its recommendations to NANC. He stated that the NRO brings together the industry players, the states, and NANPA, which will give NANC the resources needed to make intelligent decisions.   It was noted that vendors' input is critical to the NRO. The Council approved the NRO's recommendation that Number Pooling Management Group (NPMG) is no longer needed because any management activities will be assumed by the NRO. The Council accepted the NRO co-chair nominations.

D. Industry Numbering Committee Report--Jo Gallagher. Jo provided a report on the March 31 - April 2 LNP Workshop meeting. The Workshop continued development of number pooling assignment guidelines via contributions on the 51 issues identified for resolution in the issues list. Specific assignments were made for contributions to address and resolve those issues.

Issue 102, Assignment and Administration of Location Routing Numbers (LRN). Jo reported that agreement was reached that LRN should not be used to identify wireline rate centers. This agreement will be incorporated where appropriate in the assignment guidelines. Further, agreement was reached that an NXX will not be assigned to a service provider for the sole purpose of establishing an LRN unless that service provider's switch or POI does not yet have an LRN for the LATA (or wireless equivalent) where they intend to provide service. Peter Guggina, MCI, requested clarification on this issue, referring to an earlier NANC agreement that there be no more than 1 LRN per switch per LATA and that if T1S1.6 cannot meet that requirement they will explain why to NANC and advise. Jo agreed to take language back to the INC to clarify this point and more accurately reflect the NANC agreement.

Issue 105, Number Pooling. The Workshop reviewed the list of assumptions and potential process flow scenarios and provided input to the LNPA T&O Task Force. Two key agreements were reached: (1) it is the service providers responsibility to initiate the port request to the NPAC and not the pooling administrator; and (2) the pooling administrator will allocate a 1000 block to service providers (SP) single switch. The SP will be allowed to use intra-service provider ports to share that 1000 block across multiple switches in a rate center.

Jo reported that INC has developed an action plan to address open issues and has agreed to have an interim meeting on June 16-18 for the pooling work. She reported on the key agreements reached thus far. (See handout).

One agreement reached pertained to how inconsistent rate centers are to be addressed in number pooling guidelines. (See handout). Woody Kerkeslager, AT&T, commented that a carrier who chooses not to use rate centers consistent with those of the ILEC should not be characterized as "inconsistent" or "irregular." He stated that the current rate center structure should not be held out as the norm. Anna Miller agreed and commented that wireless carriers use NXXs more efficiently

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because they can use them across multiple rate centers. Jo agreed to take the issue of how to refer to rate centers that do not match the ILEC structure back to the INC. Chairman Hasselwander stated that the issue of inconsistent rate centers and local serving areas should be considered by the NRO. Chairman Hasselwander stated that the NRO will consider this issue as it reviews rate center questions:

> The NANC expects that the NRO will look at a broad array of potential tools to improve number availability and efficient use of numbers, including 1000s block pooling; rate center issues, ITN, location portability, etc. In considering rate center issue, the NRO-WG should review the rate center issue raised at today's meeting by the INC.

Vince Majkowski added that the NRO needs to be sensitive to the fact that state commissions have jurisdiction over rate centers. It was suggested that NANC ask the NRO how ITN would impact rate centers and that perhaps ITN may be a solution to the rate center problem.

Joe Kingrey asked whether there are open areas anticipated for the INC July report. Jo noted that none are identified, but that NANC has not addressed the issue of whether there should be competitive bidding for the position of number pooling administrator.

E. Colorado Numbering Issues--Bruce Armstrong, Chairman, Colorado Numbering Task Force. Colorado has established a task force to address short and long-term number conservation issues, such as the all-services overlay in the 303 NPA, rate center consolidation, and number pooling. Vince Majkowski added that 10-digit dialing became a big issue in Colorado, and that there was interest in a wireless overlay. Bruce noted that data gathering has been difficult for the task force, but it obtained information on 1000s blocks, which helped the task force to determine how number pooling would help Colorado. Bruce emphasized the importance of good data collection in addressing number conservation issues. Chairman Hasselwander stated that the NANPA is developing a proposal on data collection and may bring it to the NANC as early as next month. Bruce stated that, when the audit revealed code holders with nonworking and unassignable numbers, numerous central office codes were reclaimed on a voluntary basis. Bruce also described the rate center consolidation that has taken place in the 303 NPA. Mike Bennett commented that Colorado has set a precedent with developing rate centers with different local calling scopes. Bruce reported that the task force has also discussed the effects of rate center consolidation, local number portability, and number pooling on 911 services. Bruce also stated that there is an ongoing rulemaking on NXX code administration by 1000s block. Colorado expects to be involved in the national number pooling process and would like to be one the first states to try pooling.

F. Local Number Portability Working Group Report--Bonnie Baca, Co-chair, Technical and Operational Task Force. Bonnie reported that the LNPA Working Group still has difficulty obtaining input for the monthly reports on Phase I and II implementation, and will draft a note from NANC to the LLCs to encourage better reporting to the LNPA Working Group. Bonnie stated that Canada is still in negotiation with another vendor of NPAC services, having terminated its terms with Perot. Jacques Sarrazin stated that the Lockheed negotiations are ongoing and are expected to be completed soon. Bonnie reported on the wireless/wireline integration activities and the 1,000s block number pooling activities of the T&O task force. (See handout for details). Bonnie reported that the Working Group had received a request from the Common Carrier Bureau's Industry Analysis Division (IAD) for LNP information to measure CLEC access lines. IAD is looking for periodic reports; it will develop requirements, meet with Lockheed, and meet again with the T&O task force on May 14th. Regarding NPAC SMS Release 2, Bonnie reported that the LLCs are currently reviewing the LM-IMS statement of work. There are around 20 changes associated with Release 2 that are to improve the operation of the NPAC.

Wireless Wireline Integration Task Force Report -- Anne Cummins. Anne reported that the task force recommends that the wireline industry review their processes and systems and assess porting experience through the first half of 1999, develop modifications to reduce porting intervals between wireline and wireless carriers that are acceptable to all industry segments, and make a recommendation to the NANC by June 30, 1999.

Anne reported that the WWITF recommends a feasibility study to eliminate the Local Service Request (LSR) process for wireless to wireless porting. She raised a concern regarding the requirement in the *First Report & Order* in CC Docket No. 95-116 that the information contained in the number portability regional databases be limited to the information necessary to route telephone calls to the appropriate service providers. Anne stated that the LSR process was developed for wireline needs, and that when CTIA evaluated the LSR forms it concluded that of the 94 fields, only 4 are necessary or applicable for a wireless port. She stated that costs need to be held down and that the suggested reporting reduction would help. The wireless community could eliminate the LSR process. Anne stated that CPNI information would not actually reside in the data base and that the LSR process information is exchanged between carriers. However, Bonnie pointed out that the information would be maintained on the NPAC until the port is complete (1 day or more) and this would include the customer name and address. Anne stated that the objective is to port in a 2.5 hours time frame and the current method is burdensome for wireless carriers, who would recommend instead a stand alone system rather than an augmentation to the NPAC.

Chairman Hasselwander stated that NANC should focus on what is reasonable and recommend to the FCC and what makes the most sense There was discussion of who should bear the cost of a feasibility study and of wireless accommodations. There was additional discussion regarding whether the task force recommendation would violate earlier Commission statements on CPNI.

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Chairman Hasselwander questioned whether wireless carriers would be willing to bear the costs. Anna Miller stated that an underlying problem with the process is cost recovery for LNP, and that any changes to the NPAC create costs. Anna stated that feasibility needs to be determined, but she is not sure this process accommodates such an inquiry. Woody Kerkeslager stated that the Working Group could obtain cost information for two alternatives: (1) modification to the wireline interface to SOA to accommodate wireless; or (2) development of a new wireless interface. Woody stated that OBF is the forum to define a new interface and come up with new requirements.

Chairman Hasselwander stated that a condition for going forward with the WWITF recommendation would be to protect the proprietary nature of the information. Mark Foster, Lockheed Martin-IMS, stated that the NPAC system already calls for high-grade security. Chairman Hasselwander stated that the issue of cost benefit of the LSR process will not be included in the May 18 report, until and unless we come up with some feasibility study. Mark Foster added that a separate logical interface with the NPAC for wireless can be created, but that it is not a minor undertaking. The Council agreed that the T&O task force has enough information consider the WWITF suggestion. Woody Kerkeslager stated that a new interface to the NPAC-SMS needs to be developed by the wireless carriers and should be designed in such as way to look "SOA-like" coming into the NPAC. The Council agreed to take this issue off-line for further study before the May 18 report.

The Council agreed to hold a conference call on May 8 to discuss the Wireless Wireline Integration Report.

Omnipoint Review of LNPA WG Report on WW Integration-- Anna Miller. Anna expressed concern with the level of attention given to some wireless integration issues. Specifically, wireless carriers cannot agree to having recommendations on wireline to wireless porting intervals by June 30, 1999, which is the date for wireless LNP. In Omnipoint's view, the draft report does not address wireless concerns and does not discuss the technical and operational standards necessary for wireless integration. Additionally, there is a need to adjust the NPAC hours of operation to accommodate wireless carriers.

G. NIIF Report--Ron Havens. Ron reported on the open issue at NIIF regarding opening new NXX codes for CLECs within ILEC systems (Issue 89). NIIF has worked the issue and come up with a proposed process. The issue has not gone to final closure because concerns about the proposed process were raised by U S WEST. Final closure is expected at the May 13th NIIF meeting, but Ron noted that another contribution could be submitted, which could delay final closure. Regarding the issue of opening NPA codes (Issue 90), NIIF never received additional guidance from NANC, and never received a specific problem that anyone could address. Peter Guggina moved that the issue of opening NPA codes be closed as far as NANC is concerned. The motion carried.

H. Cost Recovery Working Group Report-- John Banuelos. NECA now has sufficient money for full payment for the B&C Agent and NANPA for the current year. The first NBANC board meeting is scheduled for April 22.   Chairman Hasselwander asked that the Cost Recovery WG work closely with the NRO.

I. NANPA Working Group Report--Karen Mulberry. The NANPA WG recommended a definition of reserved numbers. The Council approved the aging guidelines submitted by the NANPA WG and agreed that the aging document would be sent to INC for inclusion in appropriate guidelines and to the FCC for information with no recommendation for codification. Vince Majkowski requested that the aging document also be sent to the States.

Recommendation of NANPA as 1,000 Block Pooling Administrator**.** Vince Majkowski stated that NARUC could not support a sole source selection process. Woody Kerkeslager stated that 1,000 block administration should be looked at the same as the NXX code administration, and that the function is very natural extension of NANPA's current functions. It was agreed that the council needed to set aside time at a future meeting for discussion of the NANPA WG's recommendation that the NANPA be the 1,000 Block Pooling Administrator.

Karen Mulberry tendered her resignation as NANPA Working Group Co-chair.

J. N11 Ad Hoc Working Group Update-- Paul Hart. Paul noted that the Ad Hoc group has not yet reached major conclusions, but has made progress.

K. Other Business. Beth O'Donnell stated that the Connecticut DPUC filed a petition for rulemaking on technology specific overlays, and that the FCC is seeking comments by May 7th and reply comment by May 18th. The petition suggests take-backs of unused 1000s blocks. The question of whether NANC should make a recommendation to the Commission on the Connecticut petition was discussed, and the Council decided not to take any action on the issue.

VI.   Statement of Action Items and Decisions Reached:

1. Steering Group. All NANC Working Groups will use ATIS website (non-ATIS sponsored groups) for monthly updates to their matrix. There will be a specific link on the FCC web page with a pointer link to the ATIS page.

2. The NRO Working Group relationship to the Steering Group will be the same as other Working Groups, and the NRO will report out at each NANC meeting. Their projects will be shown on the Steering Group matrix reports. The NRO supersedes the NPMG. NANC approved the selection of the NRO Co-Chairs.

3. Jo Gallagher, INC Moderator, will check to determine if inclusion of additional wording is required in INC documentation to satisfy MCI concerns regarding multiple LRNs being assigned to a switch. (*See* INC report p.4)

4. The NANC expects that the NRO will look at a broad array of potential tools to improve number availability and efficient use of numbers, including 1000s block pooling; rate center issues, ITN, location portability, etc. In considering rate center issues, the NRO should review the rate center issue raised at today's meeting by the INC.

5. Jo Gallagher will take issue of "inconsistent rate centers" to INC.   NANC recommended the following wording:

> Block assignments will be made from NXX codes assigned and utilized within a single rate center. All carriers with rate center boundaries which are consistent will participate in a single pool. If a single carrier has a rate center with boundaries that are not consistent with any other carriers, that carrier will have a separate pool. All carriers will pool in accordance with these industry guidelines.

6. NPAC SMS changes in Releases 1 and 2 will be sent to Chairman Hasselwander for review and distribution. *See* FCC reference para. 99, 1st R&O, 95-116, July 2, 1996.

7. Interface to NPAC/SMS (WWITF Report).   The issue of whether there can be a new type of interface to the NPAC for wireless carriers will be taken off-line for study. The NANC will meet before May 18th to reach final closure on Wireless Wireline Integration Report and approve a recommendation to go forward to the FCC. A conference call will be held on May 8, from 1 p.m. to 3:30 p.m.

8. NIIF Issue 90 - Closed.

9. Cost Recovery Working Group will coordinate with the NRO as necessary to address questions of cost recovery for number pooling, etc.

10. NANPA Working Group Aging Guidelines were approved by NANC.   The Aging Document will be forwarded to INC for inclusion in appropriate guidelines. It will also be sent to the FCC for information and forwarded to the states via NARUC.