Federal Communications Commission

North American Numbering Council (NANC)
Meeting Minutes
Friday, March 1, 2024

Hon. Karen Charles, Chairwoman
Bridget Alexander White, Vice Chairwoman
Christi Shewman, Designated Federal Officer

Contact: NANC@fcc.gov

Contents:

- NANC Councilmember Attendance Record
- Meeting Agenda with Final Vote Record
- Meeting Presentations and Reports

A recording of the full meeting is available at https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council.

North American Numbering Council (NANC)
Meeting Minutes
Friday, March 1, 2024

NANC Councilmember Meeting Attendance – 2024

In attendance yes/no:

Councilmember – Organization/Representative	March 1
Chairwoman – NARUC – Massachusetts Dept. of Cable and Telecommunications • **Commissioner Karen Charles**	Y
Vice Chairwoman – Highline – JSI • **Bridget Alexander White**	Y
10x People, LLC • **Lisa Marie Maxson** • **John Nakamura (Alt)**	Y
800 Response Information Services, LLC • **Heather Barrows**	Y
Ad Hoc Telecommunications Users Committee • **Susan Gately**	Y
Alliance for Telecommunications Industry Solutions • **Jackie Wohlgemuth** • **Thomas Goode (Alt)**	Y
AT&T Inc. • **Angela DeMahy** • **George Guerra (Alt)**	Y
Bandwidth • **Greg Rogers** • **Lisa Jill Freeman (Alt)**	Y
Brightspeed • **Jeff Lanning**	Y
Charter Communications • **Glenn Clepper** • **Kathy Troughton (Alt)**	Y
Comcast Corporation • **Matthew Christopher** • **Beth O'Donnell (Alt)**	Y
Competitive Carriers Association • **Angela Simpson** • **Alexandra Mays (Alt)**	Y
CTIA – The Wireless Association • **Amy Bender** • **Courtney Tolerico**	Y
Electronic Privacy Information Center • **Chris Frascella**	Y
Google LLC • **Craig Lennon** • **Tracy Holick (Alt)**	N

Councilmember – Organization/Representative	March 1
INCOMPAS • **Christopher Shipley**	Y
Lumen • **Phil Linse**	Y
Maine Public Utilities Commission • **Michael Johnson**	Y
National Association of Attorneys General • **Tracy Nayer** • **Amanda Wentz (Alt)**	Y
National Association of State Utility Consumer Advocates • **Barrett Sheridan**	Y
New Mexico Public Regulation Commission • **Brady Tolleson** • **Mike Ripperger (Alt)**	Y
North Dakota Public Service Commission • **Victor Schock** • **Geralyn Schmaltz (Alt)**	Y
NTCA • **Brian Ford** • **Tamber Ray (Alt)**	Y
Peerless Network, Inc. • **Patrick Phipps**	N
Public Service Commission of District of Columbia • **Lara Howley Walt**	Y
Sinch Voice • **Allyson Blevins**	Y
SIP Forum • **Rich Shockey**	Y
TDS Telecommunications LLC • **Paul Nejedlo**	Y
Telnyx • **David Casem**	Y
T-Mobile • **Rosemary Leist** • **Scott Freiermuth (Alt)**	Y
USTelecom • **John Bercu**	Y
Verizon • **Dana Crandall** • **Dyan Adams (Alt)**	Y
Vonage • **Colin Brown** • **Michael Ortega (Alt)**	Y

Special Members (Non-Voting)	
iconectiv LLC • **Chris Drake** • **Cathy McMahon (Alt)**	Y
Somos, Inc. • **Joel Bernstein** • **Florence Weber (Alt)**	Y

A recording of the full meeting, including roll call, is available at https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council.

North American Numbering Council (NANC) Meeting
Friday, March 1, 2024
Commission Meeting Room, FCC Headquarters and Microsoft Teams/ Conference Call

FINAL VOTE RECORD

10:00 AM	**Call to Order and Welcome**
	Honorable Karen Charles, NANC Chairwoman
	Christi Shewman, NANC Designated Federal Officer (DFO)
	[Vote: Not Applicable]

10:05 AM **Opening Remarks**
Trent Harkrader, Chief, Wireline Competition Bureau
Federal Communications Commission
[Vote: Not Applicable]

10:10 AM **Roll Call, Announcements, and Recent News**
Christi Shewman, NANC DFO
Honorable Karen Charles, NANC Chairwoman
[Vote: Not Applicable]

10:20 AM **Numbering Administration Oversight Working Group (NAOWG)**
Report to the NANC
Philip Linse, Co-Chair, NAOWG
[Vote: Not Applicable]

10:30 AM **North American Portability Management (NAPM), LLC**
Report to the NANC
Teresa Patton, Co-Chair, NAPM, LLC
[Vote: Not Applicable]

10:40 AM **Secure Telephone Identity Governance Authority (STI-GA)**
Report to the NANC
Brent Struthers, Alliance for Telecommunications Industry Solutions (ATIS),
Director – STI-GA
[Vote: Not Applicable]

10:50 AM **Toll Free: Future Utilization of Numbers (T-FUN) Working Group**
Report and Recommendation Regarding 833 Toll-Free Numbers
Chris Canter, Co-Chair, T-FUN Working Group
[Vote: Pass]

11:10 AM **Public Comment and Participation**
Honorable Karen Charles, NANC Chairwoman
[Vote: Not Applicable]

11:15 AM **Wrap-Up**
Honorable Karen Charles, NANC Chairwoman
[Vote: Not Applicable]

11:20 AM **Adjourn**

Meeting of the North American Numbering Council (NANC)

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Call to Order and Welcome

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Opening Remarks

Trent Harkrader

Chief, Wireline Competition Bureau, FCC

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Roll Call,

Announcements,

and

Recent News

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NANC Meeting
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North American Numbering Council (NANC)

Numbering Administration Oversight Working Group (NAOWG)

March 1, 2024

Co-Chairs:

Philip Linse, Lumen

Lara Walt, Public Service Commission of the District of Columbia

Karen Riepenkroger, T-Mobile

FCC Liaisons:

William Andrle and Rebecca Maccaroni

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Area of Responsibility

- **Mission:** The Numbering Administration Oversight Working Group oversees the activities and reviews the performance of the North American Numbering Plan Administrator, and the Billing and Collection Agent. It also provides oversight of the Number Portability Industry Forum and the Reassigned Numbers Database Administrator.

- FCC contract oversight of the following vendors
  - North American Numbering Plan Administrator (NANPA) – Somos
    - ‣ NANPA – Administers the allocation of the North American Numbering Plan (NANP) numbering resources, the allocation of 1,000's Block Number Pooling, and the Routing Number Administration (RNA) for p-ANI numbering resources
  - Reassigned Numbers Database Administrator (RNDA) – Somos
    - ‣ RNDA – Administers the data that is provided into the RND and the service that is provided to callers.
  - Billing & Collections (B&C) Agent – Welch LLP
    - ‣ Bills and Collects from the Telecommunications industry for payment for the functions of the B&C Agent, NANPA, Pooling Administrator (PA), and RNDA Vendors

- Oversight of Number Portability Industry Forum (NPIF)
  - NPIF is an industry group that provides recommendations related to number portability processes and interface requirement changes for the Number Portability Administration Center (NPAC) Service Management System (SMS).

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Contract Status

NANPA/RNDA:

• SomosGov, Inc. – Awarded combined NANPA/RNDA contract
  - Effective December 1, 2020
  - Five-year base duration, plus three one-year options (total up to eight years); current expiration November 30, 2025

B&C Agent:

• Welch LLP – Billing & Collections contract
  - Effective May 1, 2018
  - Five-year duration; expiration April 30, 2023
  - The contract has been extended and runs to April 30, 2024

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NANPA

- Reviewed NANPA monthly reports
  ‣ North American Numbering Plan (NANP)
  ‣ Pooling Administration (PA)
  ‣ Routing Number Administration (RNA)

- Completed NANPA monthly/quarterly evaluations

- NANPA contract includes combining Number Administration System (NAS), Pooling Administration System (PAS), and Routing Number Administration System (RNAS)
  ‣ NANPA anticipates completion of combined NAS (CNAS) **October 28, 2024**

- NANPA Website - https://nationalnanpa.com/

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RNDA

- Review RNDA monthly report

- Service Provider data upload by 15th of each month

- Service Provider data uploaded as of December 2023:
  - 401,938,270 total RND NANP numbers including Toll Free
  - >20M Disconnected Numbers Reported Monthly (Trend)
  - 1,105 Service Providers/Service Provider Agents

– Completed RNDA monthly/quarterly evaluation

- RND websites
  - RNDA website: https://www.reassigned.us/
  - FCC website: https://www.fcc.gov/reassigned-numbers-database

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Billing & Collections Agent

- Reviewed B&C Agent Reports
  - Annual Operational Review
  - Completed Annual Evaluation
  - Monthly Review of Deliverables
  - NANPA Financials
  - RND Financials

- NANP Fund Website – https://nanpfund.com/

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Number Portability Industry Forum (NPIF)

- The NPIF continues to meet on a monthly basis with a focus on general LNP industry issues including XML Interface improvements, Porting throughput increases, LSMS capacity planning, best practice updates and change order review
- Examples of active issues currently being worked
  ‣ Best Practice 073 related to Unauthorized Porting processes/procedures
  ‣ Referral to Architecture and Planning sub-team – Number Portability Administration Center (NPAC) to Local Service Migration System (LSMS) and Service Order Administration (SOA) potential performance and throughput enhancements
  ‣ Potential updates or enhancements to NPAC/NANPA reporting processes/procedures related to code and/or block reclamation

- Chairs:
  ➢ Deb Tucker – Verizon (deborah.tucker@verizonwireless.com)
  ➢ Teresa Patton – AT&T (tp1393@att.com)
- NPIF Website – https://workinggroup.numberportability.com/

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Annual Performance Survey
NANPA, PA, RNA, and RNDA

• Annual performance survey allows the opportunity for users to provide feedback on NANPA, PA, RNA, and RNDA.

  - Initial invitations distributed in February 2024

  - Results will be summarized and provided in June NANC meeting

  - Survey approved by OMB

  - Users include regulators, service providers and also includes callers that query the RND.

  - Each user type receives survey tailored to user type

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Numbering Administration Oversight Working Group (NAOWG) Members

NAOWG Members:

- ✓ 10x People
- ✓ AT&T
- ✓ Bandwidth
- ✓ Charter
- ✓ Comcast
- ✓ Cox
- ✓ District of Columbia PSC
- ✓ EPIC
- ✓ Highline
- ✓ Lumen
- ✓ Maine PUC

- ✓ Michigan PSC
- ✓ NASUCA
- ✓ NetNumber
- ✓ New Mexico PRC
- ✓ North Dakota PSC
- ✓ PACE
- ✓ Telnyx
- ✓ T-Mobile
- ✓ Verizon
- ✓ Washington UTC

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Future Meetings/Contact Information

2024 Meetings

January 25	May 23	September 26
February 22	June 20	October 24
March 28	July 25	November 21
April 25	August 22	December 19

Contact the Co-Chairs for complete meeting or conference call details
Philip Linse – philip.linse@lumen.com
Lara Walt – lwalt@psc.dc.gov
Karen Riepenkroger – karen.s.Riepenkroger@t-mobile.com

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Questions?

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NAPM

North American Portability Management (NAPM), LLC
Report to the NANC

Teresa Patton
NAPM, LLC Co-Chair

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Statements of Work & Contract Amendments

- SOW 39
  - This SOW is for the implementation of NPIF Change Order 565 titled "Add SV Concurrence to SV Query Reply," and introduces a new field to the subscription version query reply indicating, for an inter-Service Provider port, that either the final concurrence window for an SV has expired or the old service provider has explicitly concurred with the port.
- SOW 34
  - This extended the term of the MSA for an additional six (6) years

NPAC Activity & Releases

- Release 5.2 went into production on February 4, 2024
  - Includes functionality for CO 561 (Portable NPA-NXX Past Effective Date Validation) and CO 562 (Check for Associated –Xs When Deleting a Service Provider) and will include operational and usability enhancements

Contract Implementation Committee (CIC)

- 1 new findings reports for Providers of Telecommunications Related Services (PTRS Users that are non-Service Providers) to validate the need for NPAC data access were received and approved since the last NANC meeting.

- Annual Continued Qualification process is underway for 2024

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Appendix

NAPM LLC Role

Provide oversight and management of the Local Number Portability Administrator (LNPA) in accordance with the contract, orders and/or direction from the FCC.

Contact Information

Co-Chair – Deb Tucker, Verizon Wireless - 615-478-3548 or Deborah.Tucker@verizonwireless.com
Co-Chair – Teresa Patton, AT&T – 972-989-5126 or TP1393@att.com

Meeting Information

The NAPM LLC meets monthly, a portion of each meeting is open for attendance by any interested party.
The current meeting schedule is published on the NAPM LLC website: http://www.napmllc.org

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Questions?

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STI-GA NANC UPDATE

Brent Struthers
STI-GA Director

Website: https://sti-ga.atis.org/
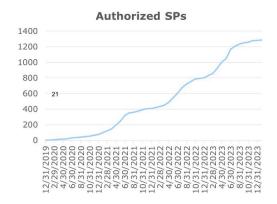
June 28, 2023

atis

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SHAKEN Framework STI-PA Authorization

STI-PA Authorization

- 1287 service providers authorized as of 02/21/24

- Providers removed for non-payment

- Currently 13 authorized STI-CAs
  - Two more CAs in process

Authorized SPs

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SHAKEN Framework Status

STI-GA Policy & Guidance

- Certificate Policy Version 1.4.1
  - The STI-GA Technical Committee made some minor revisions to the CP and the Board approved a new version in December 2023
  - Updates to policy are included in the STI-GA Policy Decisions Binder
- Certification Practice Statement Reviews
  - Board has approved 10 CPSs that include the signing of the STI-GA recognized PASSporT extensions (rcd, rph, and div)

STI-GA Policy Compliance

- The STI-GA ensures policy compliance
  - Currently considering complaints against SPs for alleged STI-GA policy violations related to misuse of STI Certificates.

STI-PA System Changes

- Change Order 05 Implemented
  - Changed maximum SPC token lifetime to two weeks
  - New root certificate used in non-production environment
  - Certificate Revocation List treatment of expired STI Certificates

STI-GA Framework Funding

- 2024 STI-PA Fees
  - SP invoices issued on time in December
- Failure to Pay
  - Fifteen SPs removed from the list of authorized SPs due to non-payment

STI-GA Outreach

- Website Revamped
- Year-End 2023 STI-GA Report

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Questions?

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Toll-free: Future Utilization of Numbers (T-FUN) Working Group Report to NANC

Allyson Blevins
T-FUN Co-Chair

Chris Canter
T-FUN Co-Chair

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Objective

- Review the 833 auction conclusions of the TFAM Working Group in its June 15, 2020 Report and the Wireline Competition Bureau's January 15, 2021 Auction Report in light of future numbering auctions
- Consider and recommend potential assignment methods, including whether a first-come, first-served method of number distribution would be preferable to a numbering auction, for the remaining 833 numbers

Perspectives on the December 2019 Auction by TFAM report

- Reviewed history of NANC toll-free number assignment working groups
- More than 90% of 2019 auction-related numbers had no bids. Lack of demand for those 833-NPA numbers
- Auction was "equitable"
- Auction was "useful"/"utility" for winning bidders, but not "useful" considering the broader stakeholders
- Reviewed the TFAM recommendations to improve auctions

Research and Considerations

- Evaluated six (6) number-assignment methodologies, including the auction method
- Estimated and evaluated relative level-of-effort for each methodology

Recommendation

- Open assignment using a first-come, first-served method of number distribution, with no reservation restrictions
- *Alternative*: first-come, first-served method of number distribution, with reservation limit of 100 numbers per affiliate for a 4-hour event

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Questions?

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Public Comments
and
Participation

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Wrap Up

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Adjourn

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Certification of Minutes for Meeting of the North American Numbering Council

I, Karen Charles, Chairwoman of the North American Numbering Council, state that the above minutes are true and accurate, to the best of my knowledge and belief. Additional details of the meeting also may be found in the recorded videotape, available at https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council .

_____   _____

Karen Charles   Date
Chairwoman
North American Numbering Council