North American Numbering Council
Meeting Minutes
Thursday, February 13, 2020 (Final)

I. Time and Place of Meeting. The North American Numbering Council Meeting (NANC) held a meeting commencing at 2:00 p.m., at the Federal Communications Commission, 445 12th Street, S.W., Room 5-B516, Washington, D.C. 20554.

II. List of Attendees.

Voting Council Members:

1.	Jennifer McKee	NANC Chairperson (NCTA)
2.	Heather Barrows	800 Response Information Services, Inc.
3.	Brian Hurley	ACA Connects
4.	Susan Gately	Ad Hoc Telecommunications Users Cmte
5.	Ola Oyefusi	AT&T
6.	Jacqueline Wohlgemuth	ATIS
7.	Greg Rogers	Bandwidth
8.	Betty Sanders	Charter Communications
9.	Tim Kagele	Comcast Corporation
10.	Matt Gerst	CTIA
11.	Christopher Shipley	INCOMPAS
12.	Honorable Karen Charles Peterson	NARUC - MA
13.	Tamber Ray	NTCA
14.	Honorable Hayley Williamson	Nevada Public Utilities Commission
15.	Julie Oost	Peerless Network
16.	Richard Shockey	SIP Forum
17.	Scott Freiermuth	Sprint
18.	Paul Nejedlo	TDS Telecommunications
19.	David Casem	Telnyx
20.	Bridget Alexander White	USConnect
21.	Mike Saperstein	USTelecom
22.	Dana Crandall	Verizon
23.	Darren Krebs	Vonage
24.	Robert McCausland	West Telecom Services

Special Members (Non-voting):

Chris Drake	iconectiv
Joel Bernstein	Somos

Commission Employees:

Marilyn Jones, Designated Federal Officer (DFO)

Jordan Reth, Deputy DFO
Patrick Webre, Chief, Consumer and Governmental Affairs Bureau (CGB)
Dan Kahn, Associate Bureau Chief, Wireline Competition Bureau (WCB)
Pam Arluk, Chief, Competition Policy Division (CPD), WCB
Heather Hendrickson, Deputy Division Chief, CPD, WCB
Edward Krachmer, Deputy Division Chief, CPD, WCB
Elizabeth Drogula, Special Counsel, CPD, WCB
William Andrle, Attorney-Advisor, CPD, WCB
Jesse Goodman, Attorney-Advisor, CPD, WCB
CJ Ferraro, Attorney-Advisor, CPD, WCB
Karen Schroeder, Attorney-Advisor, Consumer Policy Division & Information Access & Privacy Office, CGB
Myrva Charles, Contracting Officer Representative, CPD, WCB

III. Estimate of Public Attendance. Approximately 10 members of the public attended the meeting as observers.

IV. Documents Introduced.

(1)   Agenda
(2)   NANC Meeting Transcript – January 13, 2020
(3)   Numbering Administration Oversight Working Group Presentation for Recommendations on Funding of the Creation Costs and Fee Structure for Users of the Reassigned Numbers Database, February 13, 2020

V. Summary of the Meeting.

A. Opening Remarks. Bureau Chief Patrick Webre (CGB) and Associate Bureau Chief Dan Kahn (WCB) made remarks, thanking the NANC, the Numbering Administration Oversight working group (NAOWG) and its leadership for their hard work.

B. Announcements. Chair McKee made the following announcements:

- The release of the public notice announcing NANC working groups and membership on February 3, 2020;

- The approved NANC meeting dates for 2020

    o   May 5
    o   July 15 (Call only)
    o   July 28
    o   September 24
    o   December 3

- Future live-streaming of NANC meetings, and the restructuring of the NAOWG and its subcommittees.

C. Approval of Meeting Minutes.   The January 13, 2020 Meeting Transcript was approved. Robert McCausland moved to approve the January 13, 2020 transcript and both Scott Freiermuth and Tim Kagele seconded the motion. No nays were received and the transcript was approved.

D. STI-GA Report to the NANC. Brent Struthers (ATIS, Director. Secure Telephone Identity Governance Authority (STI-GA)) provided an update to NANC members and FCC staff concerning the registration process to become a certificate authority, gaining the ability to sign calls under the STIR/SHAKEN protocol.

Go-Live
The system went live as planned and has not experienced any downtime since go-live. It is working well and SPs and CAs are registering.

Registration
50 companies are now in the registration process. There are large, medium and small entities represented in that number. The STI-PA has also been approached by four vendors, each of which does a lot of work in the area of STIR/SHAKEN. We have asked the STI-PA to create test accounts for each of these vendors, such that the vendors can become familiarized with the registration process. This will allow them to walk their SPs through the registration process more quickly and bring more SPs into the ecosystem.

Certificate Authorities
The Policy Management Authority (PMA), the body that is charged with approving Certification Authorities, created methods and procedures to begin the process of reviewing the Certification Practice Statements The M&Ps had the PMA begin with reviewing CPS' on February 1. That initial CPS review is underway.

Funding
A couple of SPs asked the STI-PA to sign individual carrier NDAs to protect their 499A data. The STI-GA Board had already acted to address this via the SP agreement. The only party that will have access to the 499A data is iconectiv and only insofar as their STI-PA role requires. That 499A data will not be used for any purpose other than determining an SPs payment and it will not be shared with any entity outside the STI-PA, including ATIS and the STI-GA Board.

Revocation
The STI-GA Board is developing a process to revoke SPC tokens for SPs that may misuse their access to the ecosystem. We expect that this will allow input from SPs within the ecosystem as well as regulators, like the FCC. The Board is working on this now, but it will take some time before the process is adopted and in place.

E. Overview, Discussions, and Approval of NAOWG Recommendations for the Mechanism for the Fee Structure and Pricing for Users of the Reassigned Numbers Database (RND). Robert McCausland (West Telecom), Co-Chair NAOWG presented the report to the NANC. (Betty Sanders (Charter), Co-Chair NAOWG was delayed to the meeting due to inclement weather and poor travel conditions.)

<u>Introduction of Participants</u>. Robert McCausland noted participants for the item on a presentation slide and thanks everyone, generally.

       Bridge Alexander White – USConnect;
       Glenn Clepper – Charter;
       Dana Crandall – Verizon Wireless;
       Shaunna Forshee – Sprint;
       Dan Gordon – CenturyLink;
       George Guerra – AT&T;
       Rebekah Johnson – PACE;
       Karl Koster – PACE;
       Karen Riepenkroger – Sprint;
       Sarah Halko – Telnyx;
       Susan Gately – Ad Hoc;
       Beau Jordan - Comcast;
       Rosemary Leist – T-Mobile;
       Philip Linse – CenturyLink;
       Bob McCausland – West Telecom Services;
       Betty Sanders – Charter;
       Allyson Blevins – Charter;
       William Andrle – FCC Liaison; and
       Karen Schroeder – FCC Liaison

<u>Overview of RND</u>. Bob presented a brief overview of the RND, what was required by the Order (FCC 18-177), and the challenges and process concerns, as reflected within the group's slide presentation that was shared with the Council Members via Webex.

<u>Database Funding Recommendation</u>. Bob, with assistance from Susan Gately, then discussed the database funding recommendation made by the service provider subgroup of the NAOWG. This consisted of the following: leveraging the existing processes to fund creation of the database, waiting until the vendor bid process is complete before estimating RND funding, having the Billing & Collection (B&C) Agent calculate a separate and distinct contribution factor to 1) collect start-up funds for RND creation and 2) fund the development of the combined NANPA & PA annual operations, and 3) jump-start the creation of the RND with the portion of the current NANP Contingency Fund surplus once the RND cost is known, with vendor self-funding of RND creation costs could be considered as a contingency.

<u>Service Provider Repayment Recommendation</u>. Bob McCausland, with assistance from Susan Gately, then discussed the service provider repayment recommendations made by the service provider subgroup of the NAOWG. This consisted of the following: require the RND Administrator to remit funds, based on usage rates to the B&C Agent for repayment, require quarterly repayments to service providers by B&C Agent (noting that the repayment shall be completed no longer than the term of the initial RNDA contract), repayment can be in the form of a refund check or a credit against future NANP fund contribution amounts by the B&C Agent, excess creation RND funds collected will be refunded as a credit against payments due to the

same "paying" service provider in the next annual NANP Fund billing cycle, and no interest expense shall be imputed, on behalf of service providers, while their contributions are being used by the RND.

RND User Recommendations. Bob McCausland, with assistance from Susan Gately, then discussed recommendations made by the RND user subgroup of the NAOWG. These consisted of the following: practical user registration and process controls, tiered price structure based on usage levels, flat-rate amount set for each tier, user charged at the beginning of the covered time period, covers the volume of queries to the upper volume limit, accommodate user election for tier upgrade or renewal, with illustrative/exemplary rates and tier structures provided.

Discussion. Tim Kagele asked a question about pricing, user count, and the definition of user. Bob McCausland and Susan Gately responded that user and their affiliates count as one user. Chris Drake sought clarification on the RNDA vetting process. Dr. Ola Oyefusi asked a follow-up question. Chris Drake asked about bona fide proof and consideration of a free affiliate model.

Vote and Approval. After the discussion, Chair McKee opened the recommendation for a motion to approval.   Bob McCausland moved to approve the Fee Structure recommendation, and Susan Gately seconded the motion. No nays were received and the recommendation was approved.

D. Public Participation. None

F. Other Business. Chris Drake (iconectiv) commented about the elimination of the Local Number Portability Oversight subcommittee in the NAOWG restructuring, noting industry participation that other working groups could leverage and whether experts could be brought in. DFO Marilyn Jones stated that the oversight of the LNPA contract is still being finalized with the NAOWG leadership.

E. Next Meeting. Tuesday, May 5, 2020.