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June 8, 2018   **VIA ECFS**

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: *Telephone Number Portability, et al.*
        CC Docket No. 95-116; WC Docket Nos. 09-109 and 07-149

Dear Secretary Dortch:

The North American Portability Management LLC (the "NAPM LLC"), by its attorneys, hereby files a written summary of the NAPM LLC's status updates to the Federal Communications Commission ("FCC" or "Commission") regarding the transition from the current local number portability administrator ("LNPA"), Neustar, to the new LNPA, Telcordia d/b/a iconectiv (the "Report").[1] This Report updates the FCC, the public, and all interested stakeholders regarding transition activities to date in accordance with requirements of the LNPA Selection Order[2] and guidance received from the FCC on June 24, 2015.[3] This will be the final report filed by the NAPM LLC.

*   *   *

Transition Oversight Plan

The Transition Oversight Plan ("TOP"), dated August 31, 2015 was edited and refiled December 5, 2016, and the TOP is published on the public portion of the NAPM LLC's website at www.NAPMLLC.org.[4] The transition did meet the Final Acceptance Date of May 25, 2018.

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[1]   This Report is intended to provide an update with respect to events that occurred during the prior month. Although the monthly Reports may, at times, reflect certain developments that occurred between the end of the month for which the Report is filed and the date upon which the draft Report received final approval by the NAPM LLC for filing with the Commission, the Reports generally do not reflect all developments that occur during the month in which the Report is filed, which will be reflected in the Report for the following month. Please review previous Reports for information about previous developments.

[2]   *Telcordia Technologies, Inc. Petition to Reform Amendment 57 and to Order a Competitive Bidding Process for Number Portability Administration et al.*, Order, WC Docket Nos. 07-149, 09-109, CC Docket No. 95-116, ¶¶ 158-59 (rel. Mar. 27, 2015) (*LNPA Selection Order*).

[3]   This summary reflects information relevant to the transition as managed by the NAPM LLC with the assistance of the TOM and the oversight of the Commission.

[4]   *See* https://www.napmllc.org/Docs/npac/ref_docs/08%2031%2015%20-%20Updated%20Transition%20Oversight%20Plan.pdf.

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Executive Summary

The North American Number Portability Management LLC (NAPM) and its third-party Transition Oversight Manager (TOM) have successfully completed monitoring and management of the Local Number Portability Administrator (LNPA) transition between the incumbent LNPA and the incoming LNPA. This includes the development of the Number Portability Administration Center Service Management System (NPAC SMS) platform; systems testing with service providers, vendors, and providers of telecommunications-related systems (PTRS) as well as public safety and other users; onboarding of NPAC users and ancillary services users including law enforcement entities and telemarketers; execution of the data migration and go-live events; and outreach to stakeholders and the public.

On May 6, 2018, the second regional NPAC migration successfully completed, and on May 20, 2018, the final regional NPAC migration successfully completed. The iconectiv NPAC is now processing porting transactions for NPAC users in all regions of the United States. Mechanized, web interface (LTI), and interactive voice response (IVR) users are successfully accessing and using the iconectiv NPAC nationwide at expected transaction volumes. Mass Update / Mass Port (MUMP) jobs are being successfully processed, and the interface with the pooling administrator is fully operational. No critical or high severity defects for the iconectiv NPAC are currently outstanding, and the NAPM LLC formally provided final acceptance of the new NPAC to iconectiv on May 25, 2018, completing the 3-year LNPA transition.

Program Dashboard

Work Stream	Current Status	Highlights
NPAC SMS Platform Build	🟢	• Data center construction and configuration is complete • Release A and Release B development is complete • NPAC Solution Readiness was approved on February 28
User Onboarding	🟢	• After the March 4 launch of Ancillary Services, new WDNC and ELEP/IVR users are being on-boarded through business-as-usual processes • After the final regional migration on May 20, new NPAC users are being on-boarded using business-as-usual processes
Industry Testing	🟢	• All mandatory industry testing is complete • Voluntary Ad-Hoc, Partner, Group and Round Robin industry testing continues to be made available; all Partner test cases have been successfully completed at least four times • All 12 Acceptance Test Plans (ATPs) have been approved, successfully executed, and validated

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Work Stream	Current Status	Highlights
Data Migration and Go-Live	🟢	• The second NPAC migration for the Midwest, Northeast, and Mid-Atlantic regions was successfully completed on May 6 • The final NPAC migration for the Western, Southwest, and West Coast regions was successfully completed on May 20 • No critical or high severity defects are outstanding • The NAPM LLC provided final acceptance of the new NPAC to iconectiv on May 25
Stakeholder Outreach	🟢	• The May Transition Outreach and Education Plan (TOEP) webcast was held on May 9 and had 156 attendees • On May 29, the TOM presented a final transition update to the North American Numbering Council (NANC) • Over the course of the transition, the TOM hosted 29 TOEP webcasts with 7,359 cumulative attendees • Over the course of the transition, the TOM additionally supported 52 industry events

NPAC SMS Platform Build

The hardware and software for the new NPAC SMS platform is complete and is under production operations control. Subsequent changes, including enhancements and patches will be introduced using business-as-usual processes during industry-approved maintenance windows.

User Onboarding

Onboarding is required for users to port or otherwise make use of the new NPAC and its ancillary services. New ancillary services and NPAC users are being on-boarded using business-as-usual processes.

Industry Testing

Ad hoc testing of the new NPAC continues to be made available as part of business-as-usual processes, and existing incidents have resulted in a number of Problem Identification & Management (PIM) forms. iconectiv continues to update the Go-Live Release Notes for registered NPAC users. This document includes known potential impacts and service differences between the current and legacy NPACs with recommended mitigation actions and is being updated and posted to the iconectiv Customer Portal.

Data Migration & Go-Live

On May 4, 2018, the new NPAC supporting users in the Southeast region successfully completed its approximately four-week soak period. The NPAC migration for the Midwest, Northeast, and Mid-Atlantic regions was conducted on May 6, 2018, and successfully completed its two-week soak period on May 18, 2018. Finally, the NPAC migration for the Western, Southwest and West Coast regions was conducted on May 20, 2018, and successfully completed an approximately one-week soak period on May 25, 2018. During the second and third migrations, pre-approved one-hour extensions of the maintenance window were in effect to support the volume of user connectivity activities.

No critical or high severity defects for the iconectiv NPAC are currently outstanding, and the NAPM LLC formally provided final acceptance of the new NPAC to iconectiv on May 25, 2018, completing the 3-year LNPA transition.

Stakeholder Outreach

The TOM has completed outreach activities in support of the transition. The TOM hosted the final TOEP webcast on May 9, 2018, which had 156 attendees. Over the course of the LNPA transition, the TOM hosted 29 TOEP webcasts with a total of 7,359 attendees. During these webcasts, the TOM asked 42 polling questions and sent 307 responses to attendee inquiries. The TOM also posted 134 documents and notifications on the NAPM LLC website to inform industry stakeholders of events and provide them with presentation materials.

On May 29, the TOM presented the final transition update at the NANC meeting in Washington, DC. As the transition is now complete, the TOM is no longer engaging industry stakeholders on LNPA issues. Future inquiries and comments regarding the LNPA and number portability should be directed to the NAPM LLC or iconectiv.

Stakeholder Actions

There are several actions stakeholders should take to continue the ongoing support and improvement of the LNPA. They include:

- Participate in ad hoc and partner testing against future releases of the NPAC SMS and report incidents to the new LNPA; and
- Review distributed NPAC access materials, including the latest issue of the NPAC Go-Live Release Notes posted on the iconectiv Customer Portal

Please see Appendix A for additional information regarding LNPA Transition Success Factors and Appendix B for a Summary of Key Milestones Throughout the LNPA Transition.

* * *

Iconectiv

On July 25, 2016, the FCC released a final decision approving the recommendation of the NANC that iconectiv serve as the next LNPA and the terms and conditions of the draft Master Services Agreement ("MSA") that the NAPM LLC and iconectiv had previously submitted to the FCC.[5] On August 8, 2016, the NAPM LLC and iconectiv executed the MSA. On September 21, 2016, iconectiv held the first of several planned LNPA Transition onboarding webcasts for Service Providers, Service Bureaus and Providers of Telecom Related Services. In addition, iconectiv is moving forward with meeting the requirements and deadlines set forth in the Master Services Agreement.

For information from iconectiv about the NPAC transition, please send an email to **LNPA-ACCT-MGMT@iconectiv.numberportability.com**
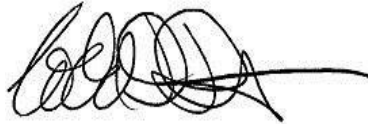
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[5]   *See Telcordia Technologies, Inc. Petition to Reform Amendment 57 and to Order a Competitive Bidding Process for Number Portability Administration et al.*, Order, WC Docket Nos. 07-149, 09-109, CC Docket No. 95-116 (rel. July 27, 2015) (*LNPA Approval Order*).

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<u>Neustar</u>

Neustar began billing industry service providers on their December 2015 monthly Statement of Work ("SOW") invoices for transition service support billable since July 2015, consistent with the terms of SOW 97. In addition, the four-way non-disclosure agreement, which facilitates joint vendor meetings to discuss transition related issues, was signed by Neustar, the NAPM LLC, the TOM, and iconectiv on February 2, 2017. Lastly, Neustar has executed the User Agreement with iconectiv, and has completed the vendor on-boarding process.

Please contact the undersigned if you have any questions or would like any additional information about the issues discussed herein.

Sincerely,

Todd D. Daubert
Counsel to the NAPM LLC

Appendix A: LNPA Transition Success Factors

The LNPA transition is one of the most significant and complex upgrades to our nation's telecommunications infrastructure in recent history. A number of factors contributed to its smooth and on-time completion. Foremost among these was the active engagement and collaboration of industry, regulatory, and public safety stakeholders. This was achieved by establishing frequent and open communications channels among the incoming and incumbent LNPAs, industry decision makers and interest groups, and the thousands of NPAC and ancillary services users. These channels included webcasts, teleconferences, in-person meetings, representation at regulatory and industry events, reporting through the FCC, emails, and a transition website.

Execution of the communications and outreach as well as the overall transition program management by a third-party transition oversight manager (TOM) was instrumental to the successful completion, particularly given the diversity of views regarding transition plans and schedules. The NAPM LLC and the TOM were able to facilitate parties through challenging discussions and brought an essential rigor, and accountability, to the management of schedules, plans, deliverables, action items, and other foundational supporting elements.

In addition to the programmatic elements, the transition greatly benefitted from the historical and technical expertise provided by the NAPM LLC's transition team and industry bodies such as the LNPA Working Group / Transition Oversight Subcommittee. With this expertise, decisions were able to be quickly taken in areas where requirements were unclear, which contributed to both the seamlessness and timeliness of the transition.

Proactive and considered risk management was also key. These efforts included the rigorous testing of the NPAC SMS with both proscribed test cases as well as through ad hoc testing, user connectivity testing, and a well-defined, comprehensive acceptance test plan. The elements of success also included planning the regional migrations in waves according to a schedule that allowed ample opportunity to observe the system and usage in production with time to resolve issues before subsequent migrations.

Overall, such a wide-reaching and intricate effort was only able to be accomplished through diligent planning, competent execution, and strong cooperation of everyone involved.

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Appendix B: Summary of Key Milestones Throughout the LNPA Transition

Date	Milestone
March 27, 2015	FCC releases the *LNPA Selection Order*
August 31, 2015	Transition Oversight Plan (TOP) is established
December 9, 2015	TOM hosts the first TOEP webcast
March 2, 2016	iconectiv begins development of NPAC Release A software
July 25, 2016	FCC approves the recommendation of the North American Numbering Council (NANC) for iconectiv to serve as the new LNPA; and the FCC approves the Master Services Agreement (MSA)
August 8, 2016	NAPM LLC executes MSA with iconectiv
August 11, 2016	Data center agreement is finalized with vendor
October 19, 2016	Industry test data center is complete
December 6, 2016	TOP is amended
January 17, 2017	iconectiv completes coding of NPAC Release A software and begins Release B development
May 15, 2017	CMIP vendors begin testing NPAC Release A software
July 10, 2017	NPAC users begin testing NPAC Release A software
July 31, 2017	Industry production data center and Ancillary Services production data center is complete
August 14, 2017	LTI users begin testing the NPAC LTI
August 28, 2017	CMIP LSMS and SOA vendor testing is complete
November 13, 2017	XML vendors begin testing NPAC Release B software
December 4, 2017	NPAC users begin testing NPAC Release B software
December 7, 2017	Voluntary ad hoc, Partner, Group and Round Robin industry testing begins
December 15, 2017	NPAC software development, ELEP software development, and WDNC software development are complete
January 24, 2018	XML LSMS and SOA vendor testing is complete
February 18, 2018	Mechanized User Connectivity Verification testing begins
February 28, 2018	NAPM LLC confirms NPAC Solution Readiness
March 4, 2018	ELEP, WDNC, and LEA-IVR services launched
March 16, 2018	NAPM LLC accepts ELEP, WDNC, and LEA-IVR services
March 18, 2018	TOM facilitates the first NPAC regional migration dry run
April 8, 2018	NPAC migration for the Southeast region and nationwide IVR services
May 4, 2018	NAPM LLC accepts the NPAC for the Southeast region
May 6, 2018	NPAC migration for the Midwest, Northeast, and Mid-Atlantic regions
May 9, 2018	TOM hosts the final TOEP webcast
May 20, 2018	NPAC migration for the Western, Southwest, and West Coast regions
May 25, 2018	The NAPM LLC provides iconectiv with acceptance of the NPAC for the remaining regions and final acceptance of the NPAC