

LNPA WORKING GROUP
May 12-13, 2015 Meeting
FINAL Minutes

Ft. Lauderdale, FL	Host: Neustar
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TUESDAY May 12, 2015
Attendance

Name	Company	Name	Company
David Alread	AT&T (phone)	David Malfara	LNP Alliance
Lonnie Keck	AT&T	Karlen Reed	Mass. DTC (phone)
Ron Steen	AT&T	Bonnie Johnson	Minnesota DoC (phone)
Teresa Patton	AT&T	Lynette Khirallah	NetNumber (phone)
Tracey Guidotti	AT&T (phone)	Dave Garner	Neustar
Jackie Voss	ATIS (phone)	Fariba Jafari	Neustar
Aelea Christofferson	ATL	Gary Sacra	Neustar
Lisa Jill Freeman	Bandwidth.com	Jim Rooks	Neustar
Matt Ruehlen	Bandwidth.com	John Nakamura	Neustar
Allyson Blevins	Bright House (phone)	Kristen Hamilton	Neustar
Matt Nolan	Bright House (phone)	Lavinia Rotaru	Neustar
Marian Hearn	Canadian LNP	Marcel Champagne	Neustar
Jan Doell	CenturyLink	Mubeen Saifullah	Neustar
Mary Retka	CenturyLink (phone)	Pamela Connell	Neustar
Susan Travis	Colorado PUC (phone)	Paul LaGattuta	Neustar
Randee Ryan	Comcast	Shannon Sevigny	Neustar Pooling (phone)
Linda Birchem	Comcast (phone)	Towanda Russell	RCN (phone)
Beth O'Donnell	Cox (phone)	Rosemary Emmer	Sprint
Cary Hinton	DC - PSC (phone)	Suzanne Addington	Sprint
Leslie Miklos	FairPoint (phone)	Darren Post	Synchronoss
Nadine Fletcher	FairPoint (phone)	Jeanne Kulesa	Synchronoss
Crystal Hanus	GVNW (phone)	Bob Bruce	Syniverse
Wendy Trahan	GVNW (phone)	Luke Sessions	T-Mobile
Doug Babcock	iconectiv	Paula Campagnoli	T-Mobile
George Tsacnaris	iconectiv	Rajeev Veettil	TNS
Joel Zamlong	iconectiv	Tanya Golub	US Cellular
John Malyar	iconectiv	Deb Tucker	Verizon Wireless
Steven Koch	iconectiv	Kathy Rogers	Verizon Wireless (phone)
Carolee Hall	Idaho PUC (phone)	Scott Terry	Windstream
Bridget Alexander	JSI	Dawn Lawrence	XO
Karen Hoffman	JSI (phone) (phone)		

NOTE: OPEN ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “May 12-13, 2015 WG ACTION ITEMS” FILE AND ATTACHED HERE.



May 12-13, 2015
LNPA WG ACTION ITI

LNPA WORKING GROUP MEETING MINUTES:

March 3-4, 2015 Draft LNPA WG Meeting Minutes Review:

The March 3-4, 2015, meeting minutes were reviewed and corrections made. After the corrections, the minutes were approved as final.

Updates from Other Industry Groups

OBF Committee Update – Deb Tucker:

**OBF
ORDERING SOLUTIONS COMMITTEE
WIRELESS SERVICE ORDERING SUBCOMMITTEE**

The Wireless Service Ordering Subcommittee has not met since the March 2015 LNPA WG meeting.

The next WSO meeting is scheduled for June 9, 2015.

**OBF
ORDERING SOLUTIONS COMMITTEE
LOCAL SERVICE ORDERING SUBCOMMITTEE**

The LSO Subcommittee met March 3, April 10, and May 4-6, 2015 to progress Issues 3373 and 3477.

Issue 3373, LSOG: Standardization of RT of “Z” in the 099 practice for REQTYP “C” to be utilized by all providers

Participants reviewed the full list of Response Types from the 099 practice to determine which Response Types are being used by companies per each REQ TYP:

- A = Acknowledgement
- B = Firm order with facility information
- C = Firm order confirmation
- D = Confirmation and DLR (private line)
- E = Errors only
- F = Facility confirmation
- G = Confirmation and DL errors (directory)
- I = LIDB confirmation
- J = Jeopardy notice
- K = Notification of network modifications required
- L = Directory only completion
- N = Confirmation of customer requested cancellation
- P = Provider initiated
- S = Provider initiated cancellation of the service request
- W = Post to billing system
- Z = Completion

Participants reviewed and updated the workbook associated with Issue 3373 which includes a worksheet (All RTs) that lists the above Response Types.

It was noted that the intent is to standardize the fields that have unanimous usage of Response Types across all companies.

Issue 3373 will remain open.

Issue 3477, LSOG: Standard field length minimums identified and repeating/# of occurrences on each field

Participants continued to review and update the workbook associated with Issue 3477 with focus on providing minimum and maximum field length values for each field.

Issue 3477 will remain open.

The next LSO meeting is scheduled for June 18, 2015.

INC Update – Dave Garner:

INC Issues Readout

LNPA WG Meeting – May 2015

INC Issue 748: Assess Impacts on Numbering Resources and Numbering Administration with Transition from Public Switched Telephone Network (PSTN) to Internet Protocol (IP)

Issue Statement: As the industry and regulatory bodies move from the current Public Switched Telephone Network (PSTN) towards Internet Protocol (IP), consideration needs to be given to the numbering scheme. Will the current telephone number format be utilized, in whole or part, in the IP environment or will some other numbering addressing format be used? It is necessary for INC to be aware of regulatory mandates and industry activities addressing the numbering protocol to be used for IP technology as well as numbering impacts during the PSTN to IP transition in order to update or create new numbering guidelines.

At the March and May meetings, INC continued to discuss developments regarding the PSTN to IP transition.

INC is considering possible next work items in association with the transition to the all-IP network:

- Continue to monitor the work of the IETF (Internet Engineering Task Force) STIR (Secure Telephone Identity Revisited) Working Group regarding security of TNs associated with number assignment.
- Continue to evaluate whether INC will draft a whitepaper on expanding the geography of number assignment.

Toll Free Exhaust Forecast and 833 Code Opening

(Update of January 2015 INC Issues readout information)

In a letter dated October 8, 2014, the Alliance for Telecommunications Industry Solutions (ATIS) SMS/800 Number Administration Committee (SNAC) provided an update to the NANPA on the projected exhaust of the toll-free resource. This letter can be found on the NANPA website under Reports, NRUF

(http://www.nationalnanpa.com/reports/reports_nruf.html).

Based upon a study conducted by SMS/800, Inc., the SNAC recommends the Federal Communications Commission (FCC) consider opening the next toll-free resource (the 833 NPA) on or about June 30, 2017.

Further analysis was conducted by SMS/800, Inc. in March 2015 which projected the current toll-free resource will reach 90% exhaust in 1Q16, and 95% exhaust in the 1Q17. Based upon this information, SMS/800, Inc. recommends the FCC consider opening the 833 NPA on or about April 22, 2017.

NANPA issued a planning letter (PL-481) on April 15, 2015, advising the industry of this change of date from on or about June 30, 2017 to on or about April 22, 2017. A subsequent Planning Letter will be issued when an implementation schedule is determined.

Information pertaining to the exhaust of toll-free resources can be found on the NANPA website (<http://www.nanpa.com>) under Reports, NRUF.

LNPA WG issue: Develop Guidelines for what is needed for new Service Providers to start Porting Numbers.

During the discussion of this issue at the March LNPA WG meeting, Dave Garner was asked to check with INC on what documents or guidelines they have that might be of assistance in the development of these guidelines.

At the March INC meeting, the question was raised and the following information was noted by INC that could be helpful:

- The Location Routing Number (LRN) Assignment Practices (ATIS-0300065).

ATIS-0300065 [Location Routing Number Assignment Practices](#)

- The NGIIF document: Network Routing Resources Educational Document: Intercompany Responsibilities in the Telecommunications Industry.

<https://www.atis.org/docstore/product.aspx?id=26071>

[NGIIF document – “Network Routing Resources Educational Document: Intercompany Responsibilities in the Telecommunications Industry”](#)

It was also noted that NANPA and the PA websites have check list documents identifying helpful tips to assist new Service Providers in getting started with obtaining number resources and the pooling process.

NANPA:

http://www.nanpa.com/tools/trainGuides/Getting_Started_with_CO_Code_Assignments.pdf

http://www.nanpa.com/number_resource_info/CIC_General_Information.pdf

PA:

<http://www.nationalpooling.com/tools/SPchecklist/SPchecklist.pdf>

NANC Future of Numbering Working Group Update – Dawn Lawrence

Future of Numbering (FoN) Working Group Report to the LNPA WG May 12, 2015

FoN Tri-Chairs: Carolee Hall, Idaho PUC; Dawn Lawrence, XO Communications; Suzanne Addington, Sprint

Status:

- The FoN WG meeting was held on April 1, 2015
- FTN 4 – The Geographic Numbering sub-committee was discussing the consumer perspective and service implications regarding the geography of toll free telephone numbers and the decoupling or disassociation of numbers from geography.
 - The sub-committee created a white paper; it was subsequently approved by the FoN WG and presented to the NANC in December. The NANC chose to give the NANC members time to review the document before submitting to the FCC.

- 4/1 Update: David Greenhaus prepared a cover letter for the FoN to review in its May meeting requesting Chairman Kane to take some action at the next NANC meeting in June.
- FTN 8 – All IP Addressing sub-committee primary objective is to define future identifiers in support of IP industry trends beyond the e.164 numbering plan (including M2M impacts). The team meets once a month.
 - 4/1 Update: Work continues on the whitepaper identifying all applications that require addressing. The paper is still a rough draft; however, it will be shared with FoN when completed.
- Deb Tucker presented a high level overview of the Non-Geographic Number Porting white paper.
- Mark Lancaster presented a high level overview of Henning Schulzrinne presentation that he gave to the IETF Modern Group regarding TNs in an IP Environment. Mr. Schulzrinne is expected to present at the NANC meeting in June.
- New Contributions: Continued discussion on 10-digit dialing. The state commissions gave their insight on how this was implemented within their states.
- Scheduled calls:
 - The first Wednesday of each month, from noon-2:00 PM ET
 - Next meeting: 7/1/15 @ 12:00 ET.

Dawn reported that Brian Rosen, Neustar, has been asked to make the STIR and Spoofing presentation at FON that he made at the March LNPA WG meeting.

Election for LNPA WG CLEC Tri-Chair Position – All

Brenda Bloemke, Comcast, has retired and resigned her position as CLEC Tri-Chair. We wish all the best to Brenda in her retirement. She will be missed.

Dawn Lawrence, XO Communications, was nominated to fill the position. There were no other nominations and Dawn was elected by acclamation. Congratulations, Dawn.

Change Management – Neustar

Change Order Summary



NANC Change
Orders 04-30-15.doc

Attached is the change order summary doc, with change bars. The updates include:

1. NANC 449 – Active-Active SOA, updated per March action item, see change bars.
2. NANC 459 – Doc-Only LTI Unused User ID Disable Period, see new change order with new text.

Determine what NPAC Functionality should be considered for Sunsetting – Neustar



Sunset List -
03-03-2015 (clean ve

Action Item 010615-12 - Neustar (Gary Sacra) will add text to Item 10.1 on the sunset list to clarify that the LTI login is not disabled, but that the password must be reset.

- Gary reviewed Document Only Change Order NANC 459 which Neustar submitted to add the following note to FRS R7-5.1 explaining current behavior related to the disabling of unused LTI logins.

Note: A User attempting to login to an account that has been disabled will only have access to the password change screen where they will be required to change their password to continue. The User can access their disabled account using their old password, and reset to a new password, in order to reactivate their account. Until activated, resetting to a new password is the only accessible functionality for the account.

- The change to NANC 459 was accepted. John Nakamura will update the FRS with the above note. The FRS change will be reviewed at the July meeting.

Action Item 010615-12 is closed.

NANC Change Order 449 Update – Neustar

John Nakamura reviewed the changes to NANC 449.

- John will add a requirement for Pool Block – Active-Active – All Notifications.
- John will add a separate Cross Reference ID Indicator for LSMS for query responses.
- John will accept change bars and make changes discussed today with new change bars for next meeting.
- CenturyLink needs this change order and would like it to stay on the list of candidate change orders.
- Jim Rooks will update the XML schema and XIS for next meeting.

John Nakamura then reviewed the FRS changes for NANC 444 (LTI enhancements inadvertently left out of the FRS) and NANC 458 (Notification Suppression).

- In Table 3-16, there was a question as to why Authorized SP Name is included. John will remove Authorized SP Name from the table.

- John will add descriptions for elements in RR3-780.

New Action Item 051215-01 – Neustar to add descriptions to the elements in RR3-780 of the FRS.

John also reviewed the attached Release 3.4.8 turn-up test plan for Service Provider-requested Notification Suppression.



R3_4_8_Turn_Up_Te
st_Plan_3.4.8a_05-01

- John will update test cases to reflect that expected results will not include notifications.

Action Item 010615-05 – Local systems vendors are to review all items remaining on the sunset list to determine impacts and level of effort to remove for each item on the list.

Gary Sacra reported that he is still awaiting a response from one vendor. He will reach out again to that vendor. Gary will also update the Sunset document to add the local system vendor level of effort (LOE).

Action Item 010615-05 remains open.

Develop Guidelines for new Service Providers to start Porting Numbers – All

A request was made at the March LNPA WG meeting for the group to consider developing guidelines for service providers just beginning to port numbers. Marian Hearn, CLNPC, offered to share an “onboarding document” that is used by the Canadian Business Process Group for discussion and a starting point. Peter Lang chairs this group. The document is embedded here:



LNP New Entrant
checklist 4.22.15.xls

Peter Lang joined the bridge from Canada. He and Marion walked the group through the checklist document. Peter indicated that the document was developed during the introduction of wireless portability in Canada. It principally covers wireline carriers but does include wireless and internet to a degree. The checklist has been submitted to the Canadian Regulators.

Bridget Alexander (JSI) has done some minor editing to the document to remove items relevant to Canada but not the US.

It was suggested that we form a sub-group to work on a US version. Bridget will lead the group. Aelea Christofferson, Bob Bruce, Suzanne Addington, and Fariba Jafari will participate on the group. Marian Hearn offered assistance as needed. Bridget will give a readout at the July meeting.

Develop the LNPA WG Report to NANC – All

The next NANC meeting is scheduled for June 4, 2015. The March 5, 2015, meeting was cancelled due to inclement weather. The report developed for the June 4 meeting will include items that would have been reported at the March meeting. The WG reviewed the previous report and suggested items for the June report. Paula updated the report after the meeting and circulated for comment. The final report for June is included here:

LNPA Working Group
Status Report to NANC
June 4, 2015
Paula Jordan Campagnoli, Co-Chair
Ron Steen, Co-Chair
Dawn Lawrence, Co-Chair

Report Items:

- **Local Number Portability Administration Working Group (LNPA WG) Report:**
 - LNPA WG Co-Chair Election
 - Transition from PSTN to IP
 - Non-Geographic Number Porting
 - LNPA Transition

Next Face to Face Meeting.....July 7 - 8, 2015, Mont-Tremblant, Quebec– Hosted by Canadian LNP Consortium

LNPA WG Co-Chair Election:

- Brenda Bloemke has stepped down as Co-Chair of the LNPA WG effective April 10, 2015. Brenda has elected to retire. The LNPA WG thanks Brenda for her support and leadership and wishes her the best in her retirement.
- Nominations and an election to fill the vacancy of the Co-Chair position took place at the May 12-13, 2015 LNPA WG meeting. The Co-Chair position vacated by Brenda Bloemke will be filled by Dawn Lawrence of XO Communications.

Transition from PSTN to IP

- PSTN to IP transition effects on LNP continue to be an ongoing agenda item for the LNPA WG.
- No new information was discussed.

Non-Geographic Number Porting

- The Non-Geographic Number Porting sub-team completed the white paper discussing technical, consumer, and regulatory impacts of Non-Geographic Number Portability. The white paper was distributed to the NANC Members prior to the March 5, 2015 NANC Meeting.

LNPA Transition

- Pursuant to the NANC Chair's request, the LNPA WG is discussing possible areas where the LNPA WG could be involved in LNPA Transition.
 - Outreach
 - LNPA Transition Update
 - Testing
 - Review Test Cases
 - Determine Tests to be completed
 - The LNPA Transition will continue to be an ongoing agenda item for the LNPA WG

Next Face to Face Meeting.....July 7 - 8, 2015, Mont-Tremblant, Quebec– Hosted by Canadian LNP Consortium

==== *End of Report* ====

The LNPA WG members who give reports to the FoN, IMG, and INC all indicated that their reports would closely mirror the report to NANC.

PIM 84 & 85 – Wireless-to-Wireless Reseller Response Time – Suzanne Addington

Action Item 030315-01 – Sprint submitted PIM 84 addressing the need for a Best Practice to document wireless reseller response times for port authorizations. PIM 84 requests that a Best Practice be developed stating appropriate response times. A sub-committee, led by Suzanne Addington, Sprint, will update PIM 84 and draft PIM 85 to address validation fields. The subcommittee will also draft two Best Practices: one for response times, and one for validation fields. In addition to Suzanne, the sub-committee participants are Luke Sessions, T-Mobile, Lonnie Keck, AT&T, Teresa Patton, AT&T, Deb Tucker, Verizon Wireless, and Aelea Christofferson, ATL Communications.

Suzanne stated that Sprint is withdrawing PIM 84 and 85, but reserving the right to reopen at a later date if they so choose.

Action Item 030315-01 is closed.

Action Item 010615-03 – Bandwidth.com (Lisa Jill Freeman) will prepare a PIM suggesting some time frames and activities for a best practice to deal with disputed ports.



PIM XXX (Proposed
by Bandwidth.com 05

This PIM seeks to put some structure and guidelines around resolving cases of unauthorized ports. Lisa Jill suggested putting definitions around what is an unauthorized port and to rethink the validation process.

Lonnie stated that for 75-80% of the disputed ports he has been involved with, the TN was not returned because it could not be determined definitively which party legally “owned” the number. It would take a court of law to make that determination.

Lisa Jill was asked to add details on what Bandwidth’s suggested resolution is. As a result, Action Item 010515-03 was left open. This will be discussed at the July meeting.

Action Item 010515-03 remains open.

WEDNESDAY May 13, 2015

Attendance

Name	Company	Name	Company
David Alread	AT&T (phone)	David Malfara	LNP Alliance
Lonnie Keck	AT&T	Karlen Reed	Massachusetts DTC (phone)
Ron Steen	AT&T	Lynette Khirallah	NetNumber (phone)
Teresa Patton	AT&T	Dave Garner	Neustar
Aelea Christofferson	ATL	Fariba Jafari	Neustar
Lisa Jill Freeman	Bandwidth.com	Gary Sacra	Neustar
Matt Ruehlen	Bandwidth.com	Jim Rooks	Neustar
Matt Nolan	Bright House (phone)	John Nakamura	Neustar
Marian Hearn	Canadian LNP	Lavinia Rotaru	Neustar
Jan Doell	CenturyLink	Marcel Champagne	Neustar
Mary Retka	CenturyLink (phone)	Mubeen Saifullah	Neustar
Randee Ryan	Comcast	Paul LaGattuta	Neustar
Linda Birchem	Comcast (phone)	Shannon Sevigny	Neustar Pooling (phone)
Nadine Fletcher	FairPoint (phone)	Suzanne Addington	Sprint
Wendy Trahan	GVNW (phone)	Darren Post	Synchronoss
Doug Babcock	iconectiv	Jeanne Kulesa	Synchronoss
George Tsacnaris	iconectiv	Bob Bruce	Syniverse (phone)
Joel Zamlong	iconectiv	Luke Sessions	T-Mobile
John Malyar	iconectiv	Paula Campagnoli	T-Mobile
Steven Koch	iconectiv	Rajeev Veettil	TNS
Gary Richenacker	iconectiv (phone)	Tanya Golub	US Cellular
Natalie McNamer	iconectiv (phone)	Deb Tucker	Verizon Wireless
Carolee Hall	Idaho PUC (phone)	Kathy Rogers	Verizon Wireless (phone)
Bridget Alexander	JSI	Scott Terry	Windstream
Karen Hoffman	JSI (phone)	Dawn Lawrence	XO

IP Transition effects on Number Portability – All

The LNPA WG maintains the IP Transition effects on Number Portability as a standing item in an attempt to stay abreast of other industry committee activity that may impact number portability.

Dave Malfara, LNP Alliance, stated that the various industry committees and industry participants are having difficulty reaching consensus as to IP network architecture and what the NPAC and LERG should look like after the transition. He further stated that the ATIS NNI

committee did not reach consensus on a routing mechanism. Dave suggested that since the issues and resolutions are not clear, perhaps a Best Practice might be warranted. Ron Steen responded that the LNPA Working Group is not the IP network design body, and that our concern is how number porting will be affected by the transition. The LNPA WG reviewed the paper produced by the ATIS NNI last October that documented routing alternatives. The WG analyzed each alternative and responded to the NNI. While the LNPA WG is not responsible for IP network design and interconnection, we will work with the NNI to ensure that portability is not negatively impacted.

Gary Richenauer, iconectiv, gave a status of the ATIS NNI work. The technical report on routing was approved during the week of May 4, 2015. To date, there has been no consensus on routing, but there does not appear to be an impact to LNP processes. The ATIS has established another group, the ATIS Test Bed Group, to take the NNI use cases and begin to test in a test bed environment. Gary stated that the LNPA WG should stay engaged in the testing effort in case some porting process issues arise. Mary Retka, CenturyLink, is a co-chair of the Test Bed Group. The LNPA WG will ask Mary to share information and documentation.

Dave Malfara stated that he has discussed the concept of porting services with Henning Schulzrinne, and this could have implications for the NPAC database and schema.

New Business

NPAC Transition

Portions of the NPAC transition discussion took place on both Tuesday and Wednesday. There was some confusion about the IP Transition agenda item being the NPAC transition discussion.

To date, the FCC has not announced plans as to NANC and LNPA WG roles in the NPAC transition. NANC Chairman Kane has asked (through the LNPA WG chairs) that the WG discuss possible roles for the NANC and Working Group. Now that the Transition Plan has been made public, we are in a better position to brainstorm how we could help.

The brainstorming ideas included:

- Testing coordination, round-robin testing, SP testing, test case review
- LNPA WG acting as a forum for disseminating information and outreach
- Test case review will be added to the July agenda
- The LNPA transition will be an agenda item
- Possibly restarting the testing subcommittee will be discussed in July

We feel that the NANC and LNPA WG are the ideal bodies for sharing transition information with the industry. The LNPA WG is open to any who would like to participate, and we always have a telephone bridge for those who find it inconvenient to travel.

Dave Malfara, LNP Alliance, stated that NPAC transition was the reason that he was attending this meeting. Several phone bridge participants echoed that reasoning. Bonnie Johnson, Minnesota Department of Commerce, pointed out that “One Day Porting” was initiated by an FCC order directing the WG to take action, and that the FCC has not yet taken that step.

Additional information can be found on the NAPM LLC website at (www.napmlc.org).

Discussion of Need for June 2015 LNPA WG Call

The June 10, 2015 conference call is canceled.

Review of 2015 LNPA Working Group Meeting Schedule

2015 Meetings and Conference Calls

MONTH (2014)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
January		6 th -7 th	iconectiv	Scottsdale, AZ
February		11 th - 19 th		Conference Call
March		3 rd - 4 th	Verizon Wireless	Alpharetta, GA
April		8 th		Conference Call
May		12 th - 13 th	Neustar	Ft. Lauderdale, FL
June		10 th		Conference Call
July		7 th - 8 th	CLNPC	Mont Tremblant, QC, Canada
August		12 th		Conference Call
September		1 st - 2 nd	Comcast	Denver, CO
October		14 th		Conference Call
November		3 rd - 4 th	T-Mobile	Seattle (tentative)
December		9 th		Conference Call

*Next Conference Call ... June 10, 2015 **This call is canceled.***

Next Meeting ... July 7-8, 2015: Location...Mont Tremblant, QC, Canada ...Hosted by The Canadian Consortium