

LNPA WORKING GROUP
May 13-14, 2014 Meeting
Final Minutes

Miami, FL	Host: Neustar
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TUESDAY May 13, 2014
Attendance

Name	Company	Name	Company
Kayla Sharbaugh	10xpeople (phone)	Andy Stickel	Neustar
Lonnie Keck	AT&T	Bill Reidway	Neustar
Ron Steen	AT&T	Fariba Jafari	Neustar
Teresa Patton	AT&T	Gary Sacra	Neustar
David Alread	AT&T (phone)	Jim Rooks	Neustar
Mark Lancaster	AT&T (phone)	John Nakamura	Neustar
Tracey Guidotti	AT&T (phone)	Kristen Hamilton	Neustar
Matt Nolan	Bright House	Lavinia Rotaru	Neustar
Allyson Blevins	Bright House (phone)	Marcel Champagne	Neustar
Christy Permenter	Bright House (phone)	Mubeen Saifullah	Neustar
Marian Hearn	Canadian LNP	Pamela Connell	Neustar
Jan Doell	CenturyLink (phone)	Paul LaGattuta	Neustar
Brenda Bloemke	Comcast	Dave Garner	Neustar (phone)
Beth O'Donnell	Cox (phone)	Shannon Sevigny	Neustar Pooling (phone)
Jennifer Hutton	Cox (phone)	Ramesh Chellamani	Oracle Communications
Wendy Trahan	GVNW (phone)	Rosemary Emmer	Sprint
George Tsacnaris	iconectiv	Suzanne Addington	Sprint
Joel Zamlong	iconectiv	Darren Post	Synchronoss
John Malyar	iconectiv	Jeanne Kulesa	Synchronoss
Steven Koch	Iconectiv	Rosalee Pinnock	Syniverse
Pat White	iconectiv	Paula Campagnoli	T-Mobile
Kim Isaacs	Integra (phone)	Shelly Pedersen	tw telecom (phone)
Bridget Alexander	JSI	Jason Lee	Verizon (phone)
Karen Hoffman	JSI (phone)	Deb Tucker	Verizon Wireless
Bill Quimby	LocalVanityNumbers.com	Scott Terry	Windstream (phone)
Lynette Khirallah	NetNumber (phone)	Dawn Lawrence	XO

NOTE: ALL ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “May 13-14, 2014 WG ACTION ITEMS” FILE AND ATTACHED HERE.



May 13-14, 2014
LNPA WG ACTION ITI

LNPA WORKING GROUP MEETING MINUTES:

March 4-5, 2014 Draft LNPA WG Meeting Minutes Review:

The March 4-5, 2014, meeting minutes were reviewed and approved as written.

Updates from Other Industry Groups

OBF Ordering Solutions Wireless Service Ordering (WSO) Subcommittee Update – Deb Tucker:

The Wireless Service Ordering Subcommittee met March 11, 2014, and discussed progress made to date by the OBF OS Local Service Ordering (LSO) Subcommittee on Issue 3450. The WSO had previously noted that the LSO’s suggested change to the NPQTY field would have a negative impact to wireless carriers and requested the LSO to re-evaluate the change to the field. The WSO appreciates the LSO’s agreement to change the usage of the NPQTY field back to Optional in order to remove the restriction for companies that require the field. The WSO will continue to watch the progress being made on Issue 3450 and wait for completion prior to further reviewing the WICIS document.

Issue 3429 – WICIS Review for Alignment and Business Practices. This is a blanket issue opened to review the WICIS document for any needed updates and it remains open.

The next meeting is scheduled for June 3, 2014.

OBF Local Service Ordering Subcommittee – Linda Peterman:

OBF
ORDERING SOLUTIONS COMMITTEE
LOCAL SERVICE ORDERING SUBCOMMITTEE

Since the March, 2014 LNPA WG meeting, the status of Issue 3450 has remained the same as the team has been focusing on the publication of the 2014 LSOG document.

Issues in **Final Closure:** None.

Issues **Withdrawn:** None.

Issues in Initial Closure or Initial Pending: None.

Participants prioritized the open LSO Issues:

High Priority

1. Issue 3477, LSOG: Standard field length minimums identified and repeating/# of occurrences on each field (next LSOG publication dependent on this Issue)
2. Issue 3450, LSOG: Standard Validation and Submission fields for REQTYPE “C” Simple and Non-Simple Port Orders

Medium Priority

1. Issue 3443, LSOG: Increase the Name fields’ length in the 71 and 72 practices (to be worked after Issue 3450)
2. Issue 3373, LSOG: Standardization of RT of “Z” in the 099 practice for REQTY “C” to be utilized by all providers

Low Priority

1. Issue 3478, LSOG: Replace LALO with LD/LV fields on Directory Listing form

It was noted that Issues 3448, LSOG – Add new Line Activity (LNA) value to require disposition of each Telephone number when converting, and 3449, LSOG – Allow for multiple Pilot Numbers on Hunt Group (HGI) form, are on hold pending internal review.

New Issues: None

The LSO has the following meetings scheduled:

DATE	CALL DETAILS
5/15/14 1-3 PM ET	LSO Virtual Meeting Agenda: <ul style="list-style-type: none">• Review UOM Documentation• Review LSOG 2Q14 practices
5/29/14 1-3 PM ET	LSO Virtual Meeting Agenda: <ul style="list-style-type: none">• Review UOM Documentation• Review LSOG 2Q14 practices
7/31/14 11 AM -1 PM ET	LSO Virtual Meeting Agenda: <ul style="list-style-type: none">• Review and complete Issue 3450
September 22- 25, 2014 (tentative dates)	LSO Meeting Overland Park, KS Agenda: <ul style="list-style-type: none">• Issue 3373

INC Update – Dave Garner:

INC Issues Report

LNPA WG Meeting – May 2014

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 meeting, INC continued to discuss developments regarding the PSTN to IP transition, including:

- PSTN Transition Numbering Testbed Workshop agenda and information. A high level list of numbering system functional requirements for the numbering test bed was developed and submitted as an Ex Parte to the FCC CTO, Henning Schulzrinne, on 3/31/14. The requirements addressed components of number administration that needs to be included in the testbed functionality, such as assignment of numbers, transferring numbers, returning numbers, security, etc. (A copy of the Ex Parte is included as an attachment to this email distribution).
- Continued discussion of topics from the December 12, 2013 meeting with the FCC CTO. The topic of geographic vs non-geographic numbering was discussed relative to rate centers and LATAs. Discussion included items such as elimination/consolidation of rate centers, i.e.: moving to each State as a unit --- one rate center per state, need for Tariff modifications to accommodate, uniform 10-digit dialing implementation within the State, numbering resources assignment associated with a state, etc. INC is considering development of a white paper with recommendations on the consolidation of rate centers in a state. If developed the white paper could list the steps needed to consolidate the rate centers, including guidelines on such items as notification to customers, recommendations on a timeline, etc.

INC Issue 774: Add definition of “Exiting the Market” to the TBPAG

Issue Statement: The PA has been receiving block returns where the SP is maintaining ported in TNs and claiming to be exiting the market. Our understanding of the term “Exiting the Market” when it was introduced by INC was that an SP would no longer be providing service in the market and therefore should not be maintaining any customers (ported in or otherwise). Currently the guidelines do not have a definition for the term “Exiting the Market.” The PA suggests that INC add a definition to the TBPAG for the term “Exiting the Market.”

At the March INC meeting, no participant objected to the definition that was developed at the February meeting, so it was agreed to put the issue into Initial Closure with the agreed to definition.

The following definition of “Exiting the Market” will be added to the TBPAG:

“ When a Service Provider no longer intends to provide service in the rate center where an NPA-NXX-X block or NPA-NXX code resides. The SP may not retain any NPA-NXX-X blocks, NPA-NXX codes, LRNs or ported TNs in the rate center.”



GS 740 - Highlevel
numbering functional

NANC Future of Numbering WG Update – Suzanne Addington:

See the embedded PowerPoint presentation:



FoN Report to the
LNPA WG- May 2014.

It was noted that Carolee Hall, Idaho PUC, was elected as one of the FoN Tri-Chairs. At the previous AMOC meeting, the FCC CTO urged the group to move toward an all IP network as soon as possible.

Change Management – Neustar

Onboarding Feature Discussion

The onboarding feature will provide a means for LSMSs using XML to recover data after downtime. Documentation was reviewed at this LNPA WG meeting. The feature allows new LSMSs to be brought on board in XML. It covers the gap between when the last delta BDD is loaded and when the system is ready to start receiving messages. NPAC personnel are notified to move the system fro “hold” to “replay” in order to start sending the messages that have queued up while the system was on hold.

This feature will be added to the FRS.



Onboarding Feature
- V1.docx

Notification Suppression

A number of service providers have requested a means to allow them to suppress notifications on a per transaction basis. One application would enable intra-company, inter-SPID mass update transactions to have the notifications suppressed for one or both SPIDs.

There were no objections to accepting the change order to be worked. It will be assigned NANC 458.



NANC TBD -
SP-requested Notifica

Discussion of Alternative Interface (NANC Change Order 372) – All

John Nakamura led a review of the changes made to the FRS to support the XML interface.



FRS_3.4.6c_04-11-1
4.docx

Items updated are as follows:

1. Added NANC 452, Ethernet Connectivity
2. 1.2.13, added parenthetical note (recovery not a concept in XML)
3. 3.2.2, changed “CMIP” to “mechanized interface”
4. RR3-276, added note that requirement applies only to CMIP
5. 3.3, clarified Customer data in several places, removed Customer Name in several places
6. 3.4, corrected LRN reference (from incorrect NPA-NXX)
7. 3.4.2, NPA-NXX Modification, added note to several requirements
8. R4-8, added parenthetical note (applies only to CMIP)
9. 5.1.3, SV Queries, updated several requirements to include sending and failed SVs, due to XML interface. New SPIDables for CMIP backward-compatibility
10. RR5-91, added Activity Timestamp attribute
11. 6.4.1, added Ethernet
12. 6.11, modified note to say applies only to CMIP
13. 7.9.3.6, clarified wording on XML versus CMIP
14. RR8-37, deleted duplicate requirement (same as RR6-242)

FRS Business Flow Diagrams

Appendix A of the FRS contains business flow diagrams. These flows have not ever been updated even though the NANC Porting flows have been updated several times. Rather than have multiple flows to keep updated, it was suggested that the diagrams be removed from Appendix A and replaced with a note that the reader should refer to the NANC flows. The Working Group consensus was to take this action.

Error and Message Flow Documents

John Nakamura then led a review of changes to the Error and Message flow documents:



EFD
Errors-Flows3_4_6c_l

Changes include:

- Title page name, version, date update.

- TOC re-gen.
- New error codes in the 145xx range.
- Updates to notification differences between CMIP and XML (B.1.1 and B.1.2).
- Attribute name correction, B.5.1.4.
- Error name update, B.5.6.
- Step number correction, B.8.3.1.

Action Item 010714-02 REVISED – Service Providers and Vendors should review the M&P for certificate-related activities in the NPAC XML interface. The M&P can be found on the NPAC secure web site at the following URL:

<https://www.npac.com/npac-user/access-connectivity/npac-xml-certificate-trust-authority>

Additionally, section 3.3 (NPAC Use of Certificates) in the XIS describe how this works from an application perspective.

Reviewers should consult with their information security teams to make sure these procedures are acceptable. In the current process, the User supplies basic information to the NPAC Certificate Authority (CA) via email. This basic information makes up the distinguished name of the certificate, and includes the SPID, region and system type. The NPAC CA creates a User within the system for this request, and the requestor receives the logon URL and the login credentials in separate emails. Upon login, JavaScript code is downloaded to the User's web browser. This JavaScript code calls APIs within the User's browser to generate a public/private key pair. The public portion of this key pair is then sent to the NPAC CA. The NPAC CA combines this public key with the information associated with the User to generate a signed certificate that includes the public key and the distinguished name information (the spid, the region, and the system type). This signed certificate is then downloaded to the User's machine, where it is combined with the private key. The private key is generated on the User's machine and is never transmitted to the NPAC CA.

There were no objections to the proposed M&P.

ACTION ITEM 010714-02 REVISED IS CLOSED.

Determine what NPAC Functionality should be considered for sunset list

Action Item 010714-04 – WG members are to be prepared to continue discussion of the potential sunset list at the March 2014 LNPA WG meeting. WG will discuss benefit and need for each item on the list including level of effort for keeping or removing.

ACTION ITEM 010714-04 IS CLOSED. Discussion of the sunset list will be a continuing agenda item.

Action Item 030414-01 – Sunset list 3.2 – Require Query “More” SVs

In R3.3 (Feb 2006), the NPAC implemented NANC 285, the enhanced SV Query capability. Similar to the LTI with the “more SVs” button, NANC 285 added a “more” capability to the CMIP SV Query. For SOAs/LSMSs that do not support the “more” capability, SV Query functionality is limited. This functionality is still optional in the XML interface. Sunset of this feature would make it required for both interfaces. Neustar to investigate how often this error of queries exceeding the 150 SV returned limit occurs.

- This error occurred 157 times in the U.S. NPACs from October 2013 thru the 1st week of April 2014. 25 times in the Canadian NPAC.
- Here are the percentage of SOAs/LSMSs that support Enhanced SV Query

	SOA	LSMS
MA	65%	29%
MW	64%	28%
NE	66%	29%
SE	72%	26%
SW	59%	29%
WC	59%	28%
WE	49%	29%

The Working Group consensus was that this feature would not be sunset. It will be removed from the sunset list.

ACTION ITEM 030414-01 IS CLOSED.



LNPA WG Agenda
Item - Sunset List - 0

Action Item 030414-02 – Sunset list 9.3 Remove unused Billing categories (like mass storage, audits, etc.)

Neustar provided a list of the billing data and billing reports. Billing reports will be removed from the sunset list. A new Action Item will be added to continue working on the billing data category.

ACTION ITEM 030414-02 IS CLOSED.

NEW ACTION ITEM

Action Item 051314-05 – Neustar to provide details of the billing categories/billing data sunset item (item 9.3) by May 30, 2014.

NEW ACTION ITEM

Action Item 051314-01 – At the July 2014 LNPA WG meeting, service providers are to be prepared to discuss their company positions about sun setting of the CMIP interface.

Action Item 030414-03 – Neustar to update the Sunset list based on March discussion and resend. Remove the items that the WG has decided not to sunset and remove items that already have a change order to remove.

ACTION ITEM 030414-03 IS CLOSED.

Neustar is updating the Sunset list and will provide by the July 2014 meeting.

NEW ACTION ITEM

Action Item 051314-06 – Neustar to update the Sunset list based on May discussion.

Change Order Prioritization

The LNPA WG change order prioritization process used for previous releases is documented in the embedded file:



LNPA WG Change
Order Prioritization Gi

NEW ACTION ITEM

Action Item 051314-04 – Local systems vendors to provide level of effort (LOE) for the open change orders to the LNPA WG Tri-Chairs by June 18, 2014.

NEW ACTION ITEM

Action Item 051314-07 – Neustar to prepare a table showing level of effort (LOE) for the open change orders after the information is provided by the local system vendors.

NANC 425 (increasing NPAC throughput) will be placed in cancel-pending as there are no current requirements.

Group reviewed the list of 11 open change orders:

- NANC 403 – Without 403, there is potential for messages to be received out of order
- NANC 417 – Syniverse to determine if this is still needed
- NANC 419 – Will stay on the candidate list
- NANC 431 – Push to talk. Is this still needed?
- NANC 432 – Presence. Is this still needed?
- NANC 437 – Will stay on the candidate list
- NANC 447 – Will stay on the candidate list
- NANC 449 – Will stay on the candidate list
- NANC 453 – Will stay on the candidate list
- NANC 454 – Will stay on the candidate list
- NANC 457 – Will stay on the candidate list

NEW ACTION ITEM

Action Item 051314-02 – Syniverse to determine if change order NANC 417 is still needed.

NEW ACTION ITEM

Action Item 051314-03 – Service providers are to determine if change orders NANC 431 and 432 should stay on the candidate list.

WEDNESDAY May 14, 2014

Attendance

Name	Company	Name	Company
Lonnie Keck	AT&T	Fariba Jafari	Neustar
Ron Steen	AT&T	Gary Sacra	Neustar
Teresa Patton	AT&T	Jim Rooks	Neustar
David Alread	AT&T (phone)	John Nakamura	Neustar
Mark Lancaster	AT&T (phone)	Kristen Hamilton	Neustar
Penn Pfautz	AT&T (phone)	Lavinia Rotaru	Neustar
Tracey Guidotti	AT&T (phone)	Marcel Champagne	Neustar
Matt Nolan	Bright House	Mubeen Saifullah	Neustar
Allyson Blevins	Bright House (phone)	Pamela Connell	Neustar
Christy Permenter	Bright House (phone)	Paul LaGattuta	Neustar
Marian Hearn	Canadian LNP	Dave Garner	Neustar (phone)
Mary Retka	CenturyLink (phone)	Shannon Sevigny	Neustar Pooling (phone)
Jan Doell	CenturyLink (phone)	Ramesh Chellamani	Oracle Communications
Brenda Bloemke	Comcast	Rosemary Emmer	Sprint
Jennifer Hutton	Cox (phone)	Suzanne Addington	Sprint
Dena Hunter	Cricket (phone)	Darren Post	Synchronoss
Wendy Trahan	GVNW (phone)	Rosalee Pinnock	Syniverse
George Tsacnaris	iconectiv	Paula Campagnoli	T-Mobile
Joel Zamlong	iconectiv	Shelly Pedersen	tw telecom (phone)
John Malyar	iconectiv	Jim Castagna	Verizon (phone)
Steven Koch	Iconectiv	Jason Lee	Verizon (phone)
Pat White	iconectiv	Deb Tucker	Verizon Wireless
Natalie McNamer	iconectiv (phone)	Scott Terry	Windstream (phone)
Kim Isaacs	Integra (phone)	Dawn Lawrence	XO
Bridget Alexander	JSI		

Discussion of IP Transition Effects on Number Portability

The effects of IP transition on number portability and number pooling is an ongoing agenda item for the LNPA Working Group. Discussion at this meeting is as follows:

- Jan Doell, CenturyLink, stated that the NANC has formed an Issues Management Group on the IP transition.
- Rosemary Emmer, Sprint, said that the NANC IMG is just going to monitor industry activity related to the transition. There is a conference call this Thursday, May 15, to discuss scope and elect Chairs. Rosemary Emmer and Mary Retka will kick off this organizational meeting. Anyone wishing to participate should contact one of them.

- It seems that some feel that IP transition automatically means non-geographic porting. While this is not the case, it might be an opportunity to begin considering non-geographic porting. There might be synergies to be taken advantage of.
- It was stated that the NPAC is being considered for storing and providing IP address information.
- Non-geographic porting could be important to conserve telephone numbers.

The LNPA Working Group members desire to learn more about the IP network concept. This will aid in determining the impacts to number porting and pooling. John Malyar, iconectiv, Gary Sacra, Neustar, and Penn Pfautz, AT&T, all volunteered their companies to make presentations about call routing in an IP environment. Time for these presentations will be allotted on the July agenda. If possible, it would be desirable for the three companies to coordinate the presentations.

For non-geographic porting, the group agreed that we should identify from a network and regulatory and porting perspective what would need to change and why. The Katrina report can be used as a starting point. Teresa Patton will head up a sub-committee to look into non-geographic porting. Anyone interested in participating should contact Teresa (tp1393@att.com).

Review of 2014 Meeting Schedule

2014 Meetings and Conference Calls

MONTH (2014)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
January		7 th – 8 th	iconectiv	Scottsdale, AZ
February		11 th <i>Canceled</i>		Conference Call
March		4 th – 5 th	Comcast	Denver, CO
April		8 th <i>Canceled</i>		Conference Call
May		13 th – 14 th	Neustar	Miami, FL
June		10 th <i>Canceled</i>		Conference Call
July		8 th – 9 th	T-Mobile	Portland, OR
August		5 th		Conference Call
September		9 th – 10 th	CenturyLink	Denver, CO
October		7 th		Conference Call
November		4 th – 5 th	AT&T	Atlanta, GA
December		9 th		Conference Call

Develop LNPA WG Report to NANC for the NANC Meeting on June 17, 2014

Paula Campagnoli will prepare report and distribute for comment. Some items to include are as follows:

- NANC 372 –

- Some vendors have inquired about XML and have done some preliminary testing but have not done CCT. No one has been certified yet.
- IP Transition –
 - WG has established a sub-team to examine non-geographic porting.
 - Vendor presentations in July on call routing in an IP network.

Tentative Dates for LNPA WG Face to Face Meetings in 2015

January 6-7	March 3-4
May 5-6	July 7-8
September 1-2	November 3-4

Unfinished/New Business

- Comcast asked if anyone has an issue with porting government numbers and the old SP requiring an LOA with government letterhead. It was suggested that Comcast should ask the customer if they have a requirement in their contract with the old SP that any LOA must be on their letterhead.
- Verizon wanted to reiterate that Old SPs should send their matching Creates (concurrences) to the NPAC rather than letting the timers expire. Verizon is seeing an increase in providers not sending their concurrences and it is causing issues. Lonnie Keck asked if it was possible to shorten the 9 hour timers. It was also suggested that we could create a profile setting for SPs that do not send concurring SVs so that they have no timer or a very short timer for concurrence. It was suggested that SPs would have to opt in.
- Verizon wants to find out why SPs are requiring New SPs that initiate a port cancel to acknowledge the Old SPs cancel concurrence. Deb to get more information.

*Next Conference Call ... June 10, 2014 **This call is canceled.***

Next Meeting ... July 8-9, 2014: Location...Portland, OR ...Hosted by T-Mobile