

**LNPA WORKING GROUP**  
**January 8-9, 2013 Meeting**  
**Final Minutes**

<b>Scottsdale, AZ</b>	<b>Host: Ericsson/Telcordia</b>
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**FULL LNPA WORKING GROUP DISCUSSION:**

**TUESDAY 11/06/12**

Tuesday, 01/08/2013, Attendance:

<b>Name</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
Ron Steen	AT&T	Ed Barker	Neustar (phone)
Tracey Guidotti	AT&T (phone)	Lavinia Rotaru	Neustar (phone)
Teresa Patton	AT&T (phone)	Jim Rooks	Neustar
Mark Lancaster	AT&T (phone)	Paul LaGattuta	Neustar
Lonnie Keck	AT&T Mobility	Stephen Addicks	Neustar
Renee Dillon	AT&T Mobility	John Nakamura	Neustar
Matt Nolan	Bright House (phone)	Marcel Champagne	Neustar
Cristy Permenter	Bright House (phone)	Michael O'Connor	Neustar
Frank App III	Bright House (phone)	Dave Garner	Neustar (phone)
Marian Hearn	Canadian LNP Consortium	Bill Reidway	Neustar
Jan Doell	CenturyLink	Mubeen Saifullah	Neustar Clearinghouse
Brenda Bloemke	Comcast (phone)	Shannon Sevigny	Neustar Pooling (phone)
Tim Kagele	Comcast (phone)	Suzanne Addington	Sprint Nextel
Beth O'Donnell	Cox (phone)	Chad Younger	Sprint Nextel
Dena Hunter	Cricket (phone)	Rosemary Emmer	Sprint Nextel
Devang Naik	DSET	Ann Fenaroli	Sprint Nextel (phone)
Robin Rice	DSET	Nancy Conant	Synchronoss (phone)
Linda Peterman	Earthlink Business	Rosalee Pinnock	Syniverse
Jeff Sonnier	Ericsson	Ramesh Chellamani	Tekelec
John Malyar	Ericsson/Telcordia	Paula Campagnoli	T-Mobile
Joel Zamlong	Ericsson/Telcordia	Luke Sessions	T-Mobile
Adam Newman	Ericsson/Telcordia (phone)	Jesse Ochoa	T-Mobile
George Tsacnaris	Ericsson/Telcordia	Glenn Andrews	TNS
Pat White	Ericsson/Telcordia	Kayla Sharbaugh	TNS (phone)
Steven Koch	Ericsson/Telcordia	Jason Lee	Verizon (phone)
Crystal Hanus	GVNW (phone)	Deb Tucker	Verizon Wireless

Name	Company	Name	Company
Kim Isaacs	Integra	Leah Richter	Vantage Point
Bridget Alexander	John Staurulakis, Inc. (phone)	Imanu Hill	Vonage
Karen Hoffman	John Staurulakis, Inc. (phone)	Traci Brunner	Windstream
Eric Monkeliën	Level 3 (phone)	Dawn Lawrence	XO Communications (phone)
Lynette Khirallah	NetNumber (phone)		

**NOTE: ALL ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “JANUARY 8-9 2013 FULL LNPA WG ACTION ITEMS” FILE ISSUED IN A SEPARATE E-MAIL FROM THESE MINUTES AND ATTACHED BELOW.**



JANUARY 8-9 2013  
FULL LNPA WG ACTIC

## **LNPA WORKING GROUP MEETING MINUTES:**

### **2013 LNPA WG Meeting/Call Schedule:**

Following is the current schedule for the 2013 LNPA WG meetings and calls.

MONTH (2013)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
January		8 <sup>th</sup> -9 <sup>th</sup>	Ericsson/ Telcordia	Scottsdale, Arizona
February		No meeting or call. Scheduled time on 2/5/13 for conference call to be used by APT.		
March		5 <sup>th</sup> -6 <sup>th</sup>	DSET	Atlanta, Georgia
April		No meeting.  04/09/2013 call if necessary		
May		7 <sup>th</sup> -8 <sup>th</sup>	Neustar	Miami Beach, FL
June		No meeting.		

MONTH (2013)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
		06/04/2013 call if necessary		
July		9 <sup>th</sup> -10 <sup>th</sup>	T-Mobile	Seattle, Washington
August		No meeting.		
		08/06/2013 call if necessary		
September		10 <sup>th</sup> -11 <sup>th</sup>	Comcast	Denver, Colorado
October		No meeting.		
		10/08/2013 call if necessary		
November		5 <sup>th</sup> -6 <sup>th</sup>	AT&T	San Antonio, Texas
December		No meeting.		
		12/03/2013 call if necessary		

**Per the published agenda, an election of LNPA Working Group Co-Chairs was held. The results are as follow:**

- Paula Campagnoli, T-Mobile, was reaffirmed as the wireless industry co-chair.
- Linda Peterman, Earthlink Business, was reaffirmed as the CLEC industry co-chair.
- Ron Steen, AT&T, was elected as ILEC industry co-chair to fill the open position.

**November 6-7, 2012 Draft Full LNPA WG Meeting Minutes Review:**

- No changes were made to the November 6-7, 2012 DRAFT Full LNPA WG meeting minutes, and they were approved as FINAL.

**Updates from Other Industry Groups**

**OBF Ordering Solutions Wireless Service Ordering (WSO) Subcommittee Update (Deb Tucker, Verizon Wireless):**

- The Wireless Service Ordering Subcommittee met January 3, 2013. No new issues were introduced.
- The Subcommittee discussed the level of effort required for the vendors to implement changes to allow desired due dates to extend beyond 90 days for wireline ports (Issue 3442). Service Providers took an action item to determine OSS impacts.
- The Subcommittee is following the Local Service Ordering Subcommittee efforts related to Issue 3450, Standard Validation and Submission fields for REQTYPE “C” Simple and Non-Simple Port Orders, to determine if WICIS changes will be required as a result of their efforts.

- 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 OBF Ordering Solutions Wireless Service Ordering Subcommittee meeting is scheduled for February 7, 2013.

### **OBF Ordering Solutions Local Service Ordering (LSO) Subcommittee Update (Linda Peterman, EarthLink Business):**

Since the November, 2012 LNPA WG meeting, one virtual Local Service Ordering Subcommittee (LSO) meeting was held. Issue 3450 was the primary topic discussed during the December 18, 2012 meeting.

#### **3450/ LSOG: Standard Validation and Submission fields for REQTYPE "C" Simple and Non-Simple Port Orders**

Participants reviewed the Issue Statement and Suggested Solution (3450.doc).

Participants reviewed and modified the proposed path forward for non-simple port validations (3450a2v3.doc).

Participants outlined the differences between simple, non-simple and complex ports for clarity purposes: (work in progress)

- Simple ports, as noted in FCC 09-41:
  - do not involve unbundled network elements (REQTYP = C (number portability))
  - involve an account only for a single line
  - do not include complex switch translations (e.g., Centrex, ISDN, AIN services, remote call forwarding, or multiple services on the loop)
  - do not include a reseller
  - includes directory with End User Listing Treatment as no modification or delete (ELT = A or B)\*

Non-simple ports:

- **Non-simple ports** (REQTYP = C (number portability) only):
  - involve an account for **one or more lines**
  - involve a single service address
  - involve a single LSR
  - could include a resold service but does not include a third party reseller
  - do not include complex switch translations (e.g., Centrex, ISDN, AIN services, remote call forwarding, or multiple services on the loop)
  - includes directory with End User Listing Treatment as no modification or delete (ELT = A or B)
  - is not considered a project

Complex ports\*:

- When the port does not meet the criteria for either simple or non-simple, it is categorized as complex.

**\* not defined in FCC 09-41**

It was noted that complex ports (data set (fields) and validation) are outside the scope of Issue 3450.

**Action Item:** The following parking lot items were identified:

- Where do we put the definitions of simple, non-simple and complex ports?
- Need to ensure the following statement is in the meeting notes and Issue 3450 resolution statement: Complex ports (data set (fields) and validation) are outside the scope of Issue 3450.
- Do we need anything similar to bullet 2 on any of the fields as we move forward?
- Issue 3450 phase 2 standard data set (fields) for non-simple ports.

**Agreement Reached:** Issue 3450 will remain OPEN.

Issues in Final Closure: None.

Issues Withdrawn: None

Issues in Initial Closure or Initial Pending: None

OPEN Issues

<u>3471</u>	<b>LSOG: Cleanup of the LTEXT, OMTN and RTY fields in the oii, 102, 111 and 122 practices.</b>
<u>3450</u>	<b>LSOG: Standard Validation and Submission fields for REQTYPE “C” Simple and Non-Simple Port Orders – <a href="#">Participants to socialize suggested path forward for non-simple port validations for potential internal impacts.</a></b>
<u>3449</u>	<b>LSOG – Allow for multiple Pilot Numbers on Hunt Group (HGI) form – <a href="#">Deferred while different options for vendor solutions are reviewed. Will be withdrawn if vendor solution is reached.</a></b>
<u>3448</u>	<b>LSOG – Add new Line Activity (LNA) value to require disposition of each Telephone Number when converting – <a href="#">Deferred while being reviewed internally by issue champion.</a></b>

<a href="#">3443</a>	<b>LSOG: Increase the Name fields' length in the 71 and 72 practices – Deferred until issues 3381 and 3382 are completed &amp; to be worked in conjunction with issue 3450.</b>
<a href="#">3382</a>	<b>LSOG: Standardization and consolidation of Directory Listings Inquiry/Response and Listing Reconciliation (from LSOG6) all into the 111 Practice – Following 3381</b>
<a href="#">3381</a>	<b>LSOG: Standardization of directory listings in the 102 Practice – Work in progress</b>
<a href="#">3373</a>	<b>LSOG: Standardization of RT of “Z” in the 099 practice for REQTYP “C” to be utilized by all providers - Deferred until issues 3381 and 3382 are completed.</b>

New Issues: None

The LSO has the following meeting scheduled:

DATE	CALL DETAILS
1/28 – 1/31/13	<b>LSO Face-to-Face Meeting</b> <b>Location: TBD</b> <b>Host: AT&amp;T</b> <b>Agenda:</b> <ul style="list-style-type: none"> <li>• Issues 3381 and 3382.</li> <li>• Begin in-depth discussions on Issue 3450.</li> </ul>

**Industry Numbering Committee (INC) Update (Dave Garner, Neustar):**

**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 December INC meeting, the issue was reviewed and agreement was reach to accept the issue to be worked. Initial discussion centered on the role INC should have regarding PSTN to IP

transition and it was decided INC should be an integral part of the transition planning and help define the conversation to ensure numbering impacts are addressed. It was determined that NANC should be advised of this INC issue and plans.

The NANC presentation slide for the December 13, 2012 meeting stated:

- INC accepted Issue 748 to address and resolve industry-wide issues with planning, administration, allocation, assignment and use of numbering resources as the industry begins to develop a plan for transition of the PSTN to IP.
- INC foresees significant changes in numbering processes and guidelines to align with the transition.
- INC plans to be part of the transition planning discussions to ensure numbering impacts are addressed.

**INC GS 705: SNAC to NANPA, INC, Update on Toll-free Number Exhaust Forecasting / 844 NPA Announcement**

During the December INC meeting, NANPA advised INC they had received additional correspondence from the SMS/800 Number Administration committee (SNAC) regarding the forecasted exhaust date for the existing toll free resources of 800, 888, 877, 866 and 855. NANPA also indicated the SMS/800, Inc had provided information to the FCC and in a November 14, 2012 letter recommended the FCC consider opening the 844 NPA on or about February 15, 2014.

Based on the SMS/800, Inc. forecasted exhaust information and recommendation for opening the 844 NPA, NANPA issued the following Planning Letter (PL – 443) to the industry.



**Number:** PL – 443

**Date:** December 7, 2012

**Subject:** Implementation of the NPA 844 for Toll-Free Services

**Related Previous Planning Letters:** None

In February 2000, the Industry Numbering Committee directed NANPA to assign the 844, 833 and 822 NPA codes for toll-free service (see Planning Letter 214).

An October 2012 analysis of the toll-free resource conducted by 800/SMS, Inc. projected the resource would reach a 90% in-use threshold in 1Q14, with full exhaust in the 4Q15. Based upon this information, 800/SMS, Inc. recommended the FCC consider opening the 844 NPA on or about February 15, 2014.

A subsequent Planning Letter will be issued when an implementation schedule is determined.

General questions regarding this planning letter should be directed to John Manning, Senior Director, NANPA on 571-434-5770.

## **NANC Future of Numbering Working Group Update (Adam Newman, Telcordia and FoN Tri-Chair):**

Adam's report was in PowerPoint Format and is embedded here:



FoN\_Report\_December2012.pptx

## **Review of LNPA WG Best Practices Document**

The group continued with the review of the attached LNPA WG Best Practices document.



LNPA\_NP\_Best\_Practices\_11-07-2012.doc

**Action Item: 110612-LNPAWG-01:** Regarding the attached revised Best Practice 34, accepted at the November 2012 LNPA WG meeting, Neustar will revise BP 34 accordingly on the LNPA WG website.



BP 34 updated --  
2012-10-05.docx

- Neustar has completed rewording of Best Practice 34.
- Action Item 110612-LNPAWG-01 is CLOSED.

**Action Item: 110612-LNPAWG-02:** Using the attached (*above*) Best Practices document that has been updated to reflect agreements reached at the November 2012 LNPA WG meeting as a guide, Neustar will update the BPs on the LNPA WG website and make them consistent with this guide.

- Neustar has completed this action item.
- Action Item 110612-LNPAWG-02 is CLOSED.

### Next Steps for Best Practices Review and Update

- LNPA WG participant companies are to conduct internal review of the Best Practices Document and be prepared to reach consensus at the March 2013 meeting.

**Action Item: 010813-LNPAWG-01:** All service providers are to review the Best Practices document (embedded above) and be prepared to discuss any issues and finalize at the March meeting.



**Action Item: 110612-LNPAWG-03:** Linda Peterman, LNPA WG Co-Chair, will revise the attached DRAFT FCC Mandate Checklist & Timeline document and FCC Mandate Compliance document as follows:

1. Swap the sequence of Steps 12 and 13 in the FCC Mandate Checklist & Timeline document.
2. Add a step in the FCC Mandate Checklist & Timeline document for determining the need for immediate LNPA WG engagement and scheduling of meetings. The LNPA WG Co-Chairs will have ownership of that step.
3. Remove “Draft” from both documents.
4. After these documents are cleaned up, have them placed on the LNPA WG’s website in the section for FCC Orders.



DRAFT FCC Mandate  
Checklist & Timeline.x



Subteam  
Compliance\_15Oct20

- This action item has been completed.
- Action Item 110612-LNPAWG-03 is CLOSED.

**Action Item: 110612-LNPAWG-04:** Gary Sacra, LNPA WG Co-Chair, will revise the Word version of the LNP Best Practices to reflect the agreements reached at the November 2012 LNPA WG meeting.

- This action item has been completed.
- Action Item 110612-LNPAWG-04 is CLOSED.

**Action Item 031511-04:** Paula Jordan, T-Mobile and LNPA WG Co-Chair, and Jason Lee, Verizon, and Teresa Patton, AT&T, and Tracey Guidotti, AT&T, will document in LNPA WG Best Practice 30 requirements for ICP during the permissive dialing period for NPA splits. This will be reviewed and discussed at the May 2011 LNPA WG meeting.

- Action Item 031511-04 remains OPEN.

## **FULL LNPA WORKING GROUP DISCUSSION:**

**WEDNESDAY 01/09/13**

Wednesday, 01/09/13, Attendance:

<b>Name</b>	<b>Company</b>	<b>Name</b>	<b>Company</b>
Ron Steen	AT&T	Lynette Khirallah	NetNumber (phone)
Tracey Guidotti	AT&T (phone)	Jim Rooks	Neustar
Mark Lancaster	AT&T (phone)	Paul LaGattuta	Neustar
Lonnie Keck	AT&T Mobility	Stephen Addicks	Neustar
Renee Dillon	AT&T Mobility	John Nakamura	Neustar
Matt Nolan	Bright House (phone)	Marcel Champagne	Neustar
Cristy Permenter	Bright House (phone)	Dave Garner	Neustar (phone)
Frank App III	Bright House (phone)	Mubeen Saifullah	Neustar Clearinghouse
Marian Hearn	Canadian LNP Consortium	Shannon Sevigny	Neustar Pooling (phone)
Jan Doell	CenturyLink	Suzanne Addington	Sprint Nextel
Tim Kagele	Comcast (phone)	Chad Younger	Sprint Nextel
Beth O'Donnell	Cox (phone)	Ann Fenaroli	Sprint Nextel (phone)
Dena Hunter	Cricket (phone)	Nancy Conant	Synchronoss (phone)
Devang Naik	DSET	Rosalee Pinnock	Syniverse
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Linda Peterman	Earthlink Business	Paula Campagnoli	T-Mobile
Jeff Sonnier	Ericsson	Luke Sessions	T-Mobile
John Malyar	Ericsson/Telcordia	Jesse Ochoa	T-Mobile
Joel Zamlong	Ericsson/Telcordia	Glenn Andrews	TNS
Adam Newman	Ericsson/Telcordia (phone)	Kayla Sharbaugh	TNS (phone)
George Tsacnaris	Ericsson/Telcordia	Jason Lee	Verizon (phone)
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Kim Isaacs	Integra	Traci Brunner	Windstream
Bridget Alexander	John Staurulakis, Inc. (phone)	Dawn Lawrence	XO Communications (phone)

## PIM Status Review

- PIM 80 – This PIM submitted by Verizon, seeks to address instances where ported/pooled NPAC database records currently contain LRNs that are in a LATA different from their associated ported/pooled telephone numbers (TNs).



PIM 80.doc

- 14 of the original 3,976 SVs still remain in an incorrect LATA.
  - 2 of the 9 pool blocks remain in an incorrect LATA.
  - These SVs and blocks appear to belong to companies no longer in business.
  - Neustar still working to resolve and hopes to be able to close at the March meeting.
- PIM 81 – This PIM, submitted by CenturyLink and Windstream, seeks to address instances where a Service Provider unilaterally accelerates the activation of a pending port without agreement from the Old SP in the port.



PIM 81 v1.doc



PIM 81 - Cites  
Regarding Activation

- At the November meeting, a sub-team was formed to address resolution to this PIM and make a recommendation to the LNPA WG. Jan Doell, CenturyLink led this sub-team.
- The “PIM 81 – Cites Regarding Activation” document above contains recommendations for porting flow changes recommended by the sub-team. The WG reviewed and changes were made. Jan is capturing changes and will send updated file. Jan will also propose modifications to Best Practice 61 that addresses Cause Code 51.
- Subsequent to the January 2013 meeting, Cellcom sent correspondence indicating agreement with the statement cited in the November 2012 minutes that this PIM does not apply to wireless-to-wireless ports.
- Jan Doell, CenturyLink will incorporate the modifications to the appropriate figures in the NANC flows and modify BP61. Changes will be reviewed at the March 2013 WG meeting.

**Action Item 010813-LNPAWG-02:** Action for Jan Doell prior to the March LNPA WG meeting. Modify the appropriate figures in the NANC flows to incorporate the changes made to BP61 to extend the definition of Cause Codes 50 and 51. This will be for the March meeting.

- PIM 82 – This PIM, submitted by CenturyLink, seeks to address instances where a New Service Provider in a port fails to react to a Jeopardy notification from the Old SP.



PIM 82 v1.doc

- Discussion among the companies present indicates that this PIM can be a problem, but that the frequency of occurrence is low.
- CenturyLink feels that this is a problem, but frequency is low. They feel that all companies should pay attention to jeps.
- Discussion ensued and the decision was to close this PIM as the problem is not significant enough for the WG to work.
- This PIM is CLOSED.

## Change Management

**Action Item 091112-LNPAWG-02:** Regarding NANC Change Order 403, Neustar will determine if any Service Providers are sending recovery requests in an active period (outside of the recovery period after they have indicated to NPAC that they have completed recovery), and contact them to find out why. This will be discussed at the November 2012 LNPA WG meeting.

- Neustar reported that there was one occurrence in October, one in November, and none in December. The two occurrences were not from the same service provider.
- It is desired to limit recovery operations to service providers who are actually in recovery mode. Otherwise there is a possibility of losing messages.
- This Action Item is CLOSED.

**Neustar led a discussion of change orders that have been modified. See the embedded file.**



NANC Change  
Orders 12-31-12.doc

## **New Change Order**

- Verizon introduced a change order to allow connection to the NPAC via Ethernet connections.
- This change order was accepted to be worked, and it was assigned as NANC 452 – NPAC Ethernet Connectivity.
- Neustar will begin requirement development and provide information for review at the March 2013 meeting.



NANC TBD - Ethernet  
NPAC Connectivity.doc

## **NPAC Disaster Recovery Fail Over Exercise 2012**

Neustar presented the results of the October 27-28, 2012, Fail Over exercise in the embedded PowerPoint file. Overall, the results are considered to be good.



NPAC Disaster  
Recovery Fail Over E:

## **Review of 2013 LNPA WG Meeting/Call Schedule**



LNPA WG 2013  
Meeting Schedule.doc

- There will not be a February 5, 2013, conference call.
- The APT will have a conference call on February 5.
- The next face-to-face meeting will be hosted by DSET in Atlanta, Georgia, on March 5-6, 2013

## **New Business**

- Verizon stated that Christmas Eve is an NPAC holiday.
- They would like to see the NPAC not have Christmas Eve as a holiday.
- NPAC timers should run in non-holiday mode.
- Helpdesk can operate on holiday arrangement using pager notification.
- LNPA WG consensus was in agreement with Verizon.
- Neustar does not object but feels (appropriately) that this should be taken to the NAPM LLC.
- NAPM LLC representatives in attendance will introduce the request at the next LLC meeting.

## **NANC Report**

- The group agreed that the following items would be included in the February 21<sup>st</sup> NANC report:
  - Status of update of LNPA WG's LNP Best Practices
  - Continued development of new NPAC interfaces
  - Results of LNPA WG Co-Chair election

### **Action Item Review**

- Item 110612-LNPAWG-01: This item is CLOSED.
- Item 110612-LNPAWG-02: This item is CLOSED.
- Item 110612-LNPAWG-03: This item is CLOSED.
- Item 110612-LNPAWG-04: This item is CLOSED.
- Item 091112-LNPAWG-02: This item is CLOSED.
- Item 031511-04: This item remains OPEN.
- Item 010813-LNPAWG-01: This item remains OPEN.
- Item 010813-LNPAWG-02: This item remains OPEN.

*Next Meeting ... March 5-6, 2013... Location... Atlanta, Georgia ...  
Hosted by DSET*