Overland Park, Kansas	Host: Sprint Nextel

LNPA WORKING GROUP ARCHITECTURE PLANNING TEAM (APT) DISCUSSION:

TUESDAY 09/13/11

Tuesday, 09/13/11, Attendance:

Name	Company	Name	Company
Tracey Guidotti	AT&T	Marcel Champagne	Neustar
Ron Steen	AT&T	Dave Garner	Neustar
Teresa Patton	AT&T	Lavinia Rotaru	Neustar
Mark Lancaster	AT&T	Mubeen Saifullah	Neustar Clearinghouse
Renee Dillon	AT&T Mobility	Shannon Sevigny	Neustar Pooling (phone)
Lonnie Keck	AT&T Mobility	Sue Tiffany	Sprint Nextel
Tony Fillipone	Cablevision (phone)	Carol Frike	Sprint Nextel
Marian Hearn	Canadian LNP Consortium	Chad Younger	Sprint Nextel
Jan Doell	CenturyLink	Suzanne Addington	Sprint Nextel
Vicki Goth	CenturyLink	Jim Gampper	Sprint Nextel
Tim Kagele	Comcast (phone)	Shaunna Forsher	Sprint Nextel
Beth O'Donnell	Cox (phone)	Nancy Conant	Synchronoss
Dena Cricket	Cricket (phone)	Bob Bruce	Syniverse (phone)
Devang Naik	DSET (phone)	Joel Zamlong	Telcordia
Linda Peterman	EarthLink Business	Pat White	Telcordia
Crystal Hanus	GVNW (phone)	Lisa Marie Maxson	Telcordia
Bonnie Johnson	Integra	George Tsacnaris	Telcordia
Karen Hoffman	John Staurulakis, Inc. (phone)	Kayla Sharbaugh	Telcordia (phone)
Bridget Alexander	John Staurulakis, Inc. (phone)	Paula Jordan	T-Mobile
Angie Beckett	John Staurulakis, Inc. (phone)	Luke Sessions	T-Mobile
Eric Monkelien	Level 3	Gary Sacra	Verizon
Lynette Khirallah	NetNumber (phone)	Jason Lee	Verizon (phone)

Name	Company	Name	Company
Kristin Hamilton	Neustar	Deb Tucker	Verizon Wireless
Jim Rooks	Neustar	Darren Krebs	Vonage
Paul LaGattuta	Neustar	Traci Brunner	Windstream
Stephen Addicks	Neustar	Dawn Lawrence	XO Comm. (phone)
John Nakamura	Neustar	Tiki Gaugler	XO Comm. (phone)

NOTE: ALL APT ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE "SEPTEMBER 13_ 2011 LNPA WG APT ACTION ITEMS" FILE ISSUED IN A SEPARATE E-MAIL FROM THESE MINUTES AND ATTACHED BELOW.

SEPTEMBER_13_201
1 LNPA WG APT ACTI

MEETING MINUTES:

2011 LNPA WG Meeting/Call Schedule:

Following is the current schedule for the 2011 LNPA WG meetings and calls.

MONTH (2011)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
January		11th-12th	Telcordia	San Diego, California
February		No meeting. 2/8/2011 LNPA WG call from 11am to 12pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# 2/8/2011 APT call from 12pm to 2pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272#		
March		15th-16th	Comcast	Denver, Colorado
April		No meeting. 4/12/2011 APT Live		

MONTH (2011)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
		Meeting from 11am to 2pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# 4/12/2011 LNPA WG call from 2:30pm to 3:30pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272#		
May		10th-11th	Canadian Consortium	Banff, Canada
June		No meeting. 6/14/2011 APT call from 11am to 12pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# 6/14/2011 LNPA WG call from 12:00pm to 2:00pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272#		
July		12th-13th	Neustar	New Orleans, Louisiana
August		No meeting or call.		
September		13th-14th	Sprint Nextel	Overland Park, Kansas
October		No meeting or call.		
November		9th-10th (NOTE THAT THIS IS A WEDNESDAY AND THURSDAY)	AT&T	San Antonio, Texas
December		No meeting. 12/13/2011 call if necessary		

- Continuing evaluation during 2011 will determine if interim conference calls are necessary or if the decision to meet face-to-face every other month should be revisited.

July 12, 2011 APT Meeting Minutes Review:

- No changes were made to the DRAFT July 12, 2011 APT meeting minutes, and they were approved as FINAL.

Action Item 071211-APT-01:

Action Item 071211-APT-01: Gary Sacra, LNPA WG Co-Chair, will place a discussion regarding the sunsetting of non-EDR support on the list of potential future agenda items.

Brainstorming of
Possible Future LNPA

- The group reviewed and accepted the added item and Action Item 071211-APT-01 was closed.

- Gary Sacra, LNPA WG Co-Chair, will place in the *Brainstorming of Possible Future LNPA WG Agenda Items* document an item specific to the support of non-EDR functionality. The item will be specific to determining if Non-Efficient Data Representation (Non-EDR) support will be:

  a) Sunsetted – defined as eliminating non-EDR support entirely for any existing SPs and any new entrant SPs.
  b) Grandfathered – defined as continued support of non-EDR for any existing non-EDR SPs and eliminating non-EDR support for any new entrant SPs.
  c) BAU – Non-EDR support will continue to be available for any non-EDR SP, whether existing or new entrant.

  NOTE: This Action Item was subsequently completed. Please refer to v7 of the document attached below.

  Brainstorming of
  Possible Future LNPA

- Service Providers are to come to the November 9, 2011 LNPA WG APT meeting prepared to discuss and eventually determine if Non-Efficient Data Representation (Non-EDR) support will be:

  a) Sunsetted – defined as eliminating non-EDR support entirely for any existing SPs and any new entrant SPs.
  b) Grandfathered – defined as continued support of non-EDR for any existing non-EDR SPs and eliminating non-EDR support for any new entrant SPs.
  c) BAU – Non-EDR support will continue to be available for any non-EDR SP, whether existing or new entrant.

APT Test Plan Review Team Update – John Nakamura, Neustar:

Action Item 051011-16: Neustar and Telcordia will create a list of Vendor (ITP) and Service Provider regression test cases, identify which are Vendor (ITP) and which are regression or which are both, determine which are conditional, and which apply to the following four categories:

1. New Service Provider and New Vendor,
2. New Service Provider and Experienced Vendor,
3. Experienced Service Provider and New Vendor,
4. Experienced Service Provider and Experienced Vendor.

The status of this work effort will be provided on the June 14, 2011 APT conference call and at the APT portion of the July 2011 LNPA WG meeting.
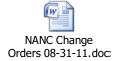
- Neustar provided a readout of the status of the sub-team's work. The sub-team has met via 3 conference calls and is continuing a review of the test cases section by section.

- Some test cases have been combined and some duplicates have been deleted.

- The sub-team has completed review of Sections B.7 (Recovery) and B.8. The next step is to review Section B.5 which will be reviewed on the next set of conference calls.

- A provider asked when the sub-team will have proposed revisions for the entire LNPA WG to review. Neustar responded that there is no specific timeframe to complete this at this time.

- For interop testing, the test cases are being reviewed from a business scenario perspective rather than from a CMIP protocol message testing perspective.

- The thought right now is to have one test plan for both vendor interop testing and SP turn-up testing.

- Another status report will be given at the November 2011 LNPA WG meeting.

- Action Item 051011-16 will remain open.

Future NPAC Support of IPv6 Addressing – Neustar:

Action Item 051011-01: Neustar will develop a proposed Change Order related to NPAC support of IPv6, to be sponsored by AT&T Mobility.

- Neustar canvassed the group for a sense of urgency for this Change Order.

- It was stated that the NPAC would likely have to support a dual stack because a flash cut would not be possible.

- Neustar has some IPv4 addresses still available.

- This is applicable to SP local systems' connectivity to the NPAC.

- A provider stated that a move to a different protocol, e.g., XML, could be a driver to move to support IPv6. The provider stated that they would have to go through an internal exception process in order to assign an IPv4 address if they needed to turn up another local system even though they still have IPv4 addresses available. APT Participants are to come to the November 9, 2011 LNPA WG APT meeting prepared to begin discussions on NANC Change Order 372 (see in attached document), which addresses a proposed alternative interface, e.g., XML, to the current CMIP interface.

NANC Change
Orders 08-31-11.doc

- The group agreed that we should begin work on the Change Order. Neustar will have a Change Order for review at the November 2011 APT meeting. It was felt that IPv6 may be needed in the 2-year timeframe.

- As a part of the effort to review and update the Vendor ITP and Service Provider Turn-up Test Plans, the APT Test Plan Sub-team will identify to the full LNPA WG any functionality that is recommended for consideration to be sunsetted.

APT Action Items Not Previously Discussed in Agenda – All:

JULY_12_2011 LNPA
WG APT ACTION ITEI

Review of July 12, 2011 LNPA WG APT Action Items:

July 12, 2011 LNPA WG APT Action Items:

- Item 071211-APT-01: This item has been completed and is Closed.

LNPA WG APT Action Items Remaining Open from Previous Meetings:

- Item 051011-16: This item remains Open.

Next APT Meeting …Part of the November 9-10, 2011 LNPA WG Meeting:
Location…San Antonio, Texas…
Hosted by AT&T

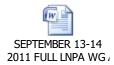# FULL LNPA WORKING GROUP DISCUSSION:

TUESDAY 09/13/11

Tuesday, 09/13/11, Attendance:

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Ron Steen	AT&T	Dave Garner	Neustar
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**NOTE: ALL ACTION ITEMS REFERENCED IN THE MINUTES BELOW
HAVE BEEN CAPTURED IN THE "SEPTEMBER 13-14 2011 FULL LNPA WG**

ACTION ITEMS" FILE ISSUED IN A SEPARATE E-MAIL FROM THESE MINUTES AND ATTACHED BELOW.

SEPTEMBER 13-14
2011 FULL LNPA WG

MEETING MINUTES:

2011 LNPA WG Meeting/Call Schedule:

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- Continuing evaluation during 2011 will determine if interim conference calls are necessary or if the decision to meet face-to-face every other month should be revisited.

July 12-13, 2011 Full LNPA WG Meeting Minutes Review:

- No changes were made to the DRAFT July 12-13, 2011 Full LNPA WG meeting minutes, and they were approved as FINAL.

OBF Wireless Ordering Task Force Update (Deb Tucker, Verizon Wireless):

- The Wireless Ordering Task Force (WOTF) met September 1, 2011 to discuss mission statement updates and potential new issues. A new issue was submitted on 9/6/2011 to allow the group to review the current WICIS documentation for potential interoperability issues with the LSR as well as to determine plans for a future release. This issue is currently going through the acceptance process.

- The next Wireless Ordering Task Force meeting is tentatively scheduled for October 3, 2011.

OBF Local Ordering Task Force (Linda Peterman, EarthLink Business):

- Since the July 2011 LNPA WG meeting, the Local Ordering Task Force (LOTF) held one virtual meeting, at which time the potential for an issue from Verizon Wireless and Syniverse regarding standard validation fields for non-simple ports was discussed. The team was open to the potential of the issue and agreed to consider it for acceptance once it was received.

- The LOTF also discussed Verizon's draft BP on CSRs, at which time it expressed concern given accounts that had been in service for extended periods of time and were set up based upon customer requests to be handled in a specific way, in addition to concerns regarding individual business rules and with respect to where (which organization) such a change should be addressed (LSOG Practice 122). Members agreed to discuss their concerns with their LNPA WG representatives for discussion during the September meeting.

- The LOTF has a "touch base" virtual meeting scheduled for September 20th to discuss internal administrative issues, as well as a face-to-face meeting scheduled for the week of October 24[th.] The face-to-face is intended to continue work on updating the existing practice (102) and to develop a directory listings guideline document with examples and helpful information to be utilized in concert with the LSOG. The directory pre-order practice (111) is also part of this process.

Issues in Final Closure:
.
None

Issues Withdrawn:

None

Issues in Initial Closure or Initial Pending:

None

Open Issues:

3373   LSOG: Standardization of RT of "Z" in the 099 practice for REQTYP "C" to be utilized by all providers.

3381   LSOG: Standardization of directory listings in the 102 Practice

3382   LSOG: Standardization and consolidation of Directory Listings
        Inquiry/Response and Listing Reconciliation (from LSOG 6) all into the 111
        Practice

3428   LSOG – COMMON LANGUAGE Reference cleanup for CCNA and OCCNA
        fields in the 071, 099, 102, 111, 119, 120 and 122 practices (Open Issues above)
.
New Issues:

3428   LSOG – COMMON LANGUAGE Reference cleanup for CCNA and OCCNA
        fields in the 071, 099, 102, 111, 119, 120 and 122 practices

The LOTF has scheduled the following virtual and face-to-face meetings:

09/20/11   Virtual   10-11 Eastern

Week of 10/24/11   Face-to-Face   Milwaukee, WI

NOTE:

The Ordering Solutions Committee work on Next Generation Networks and IP Ordering
has been shared with multiple other ATIS committees (PTSC, B&RE, TMOC & CSR).
Joint meetings are being held to discuss possible collaborations and/or use of documents
from other committees by the Cloud Services Forum (CSF)

Open Issues:

None

Issues in Final Closure:

3228   IP: Identify IP – IP Direct Interconnection Session Scenarios

3313   IP: IP Voice Ordering Specification - Dedicated Transport

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

**INC Issue 701: Add information to guidelines regarding NPA implementation steps
for new NANP entrant:**

Issue Statement: There is no direction in the guidelines as to the steps a new NANP
entrant should take to implement the new NPA. As a result, with at least the last two new
NANP entrants, it has been a struggle to explain the processes necessary for the new
entrant to take in order to have the NPA implemented and calls properly rated and routed
as NANP calls.

INC completed work on this issue and placed the issue in Initial Closure. The resolution

of this issue added a new section in the "NPA Allocation Plan and Assignment Guidelines" to provide guidance to a new NANP entrant and its service providers. INC also documented the necessary information required for the NANPA Planning Letter, and the need for semi-annual forecast data so that NANPA may project the exhaust of the NANP

INC Issue 719: Available "Red" Blocks where PSTN Activation has not been confirmed:

Issue Statement: Most of the pools are being replenished by the opening of new codes for pool replenishment or for LRN purposes. When a new code is opened the blocks not assigned to the code holder are placed in the available pool with a future effective date and show up on the block available report in "red" until the code holder confirms activation in the PSTN and all other code holder responsibilities have been met. Currently the guidelines allow an SP that is not the code holder to request the assignment of these "red" blocks as long as they acknowledge that they are willing to accept a block in "red" and that they explicitly understand that the underlying CO code may not yet be activated in the PSTN and loaded in the NPAC on the block effective date.

SPs who have been assigned these "red" blocks are encountering delays with the activation of the blocks in these codes. This has caused an increased volume of requests by the SP receiving the block, for the PA to follow up with code holders who have not confirmed PSTN activation by the code effective date. The PA is asked to act as the mediator between the two companies which is causing a lot of extra work.
In addition, the assignment of "red" blocks is causing additional work for the NPAC pooling team since they are often not able to create the block records in the NPAC database at the time of the block assignment because the code holder has not yet established the code in the NPAC database. This is causing the NPAC pooling team to keep separate lists of blocks where the code has not yet been established and then follow up until they are able to create the block record.

INC was not able to discuss this issue due to lack of time at the August INC meeting, but a contribution submitted for this issue suggests that a timeframe be established for Service Providers to load a new NPA-NXX into the NPAC for pooled codes.
The suggested language to be added to the "Code Holders Responsibility" section in the TBPAG reads:
- b) Load the NPA-NXX into the NPAC database within 7 calendar days of the code being assigned.

INC Issue 722: Review and Reconcile TN Administration Guidelines with Updated NANC LNP Flows:

Issue Statement: During discussion of Issue 713, it was noted that some of the language in the Guidelines for the Administration of Telephone Numbers ("TN Administration Guidelines") comes from NANC NRO WG reports that pre-dated the FCC's NRO Orders. Although INC reviewed these guidelines when the NRO Orders were issued, the

INC has not reviewed the TN Administration Guidelines in some time. The INC should review these guidelines to determine if the guidelines are consistent with the NANC's LNP flows and current FCC rules

INC has not discussed this issue due to lack of time at the August INC meeting, but the issue contributor suggests INC review the TN Administration Guidelines to determine if they are consistent with the NANC's LNP flows and current FCC rules. Given this suggestion, the INC members may be contacting their LNPA WG member counterparts for input on the NANC LNP Process flows.
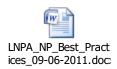
<u>NANC Future of Numbering Working Group Update (Adam Newman, Telcordia and FoN Tri-Chair):</u>

- Sue Tiffany, Sprint Nextel, reported that the FoN met to develop their report to NANC for the September 15, 2011 meeting.

<u>Readout of NPAC LNPA WG Website Update – Sue Tiffany, Sprint Nextel:</u>

- Sue Tiffany, Sprint Nextel, reported that she and Marian Hearn, Canadian LNP Consortium, met with Neustar to go over the website changes in the context of the benchmarking effort.

- Jan Doell, CenturyLink, provided a list of FCC documents and orders for inclusion on the new website. Sue will send the list out to the group for review and for any additions.

<u>Review & Update of LNPA WG Best Practices Document – All:</u>

LNPA_NP_Best_Pract
ices_09-06-2011.doc

- The group continued its review of the LNPA WG Best Practices document.

Action Item 071211-LNPAWG-02: Barb Hjelmaa, Brighthouse, will update the contact list in Best Practice 42 to apply to inadvertent, disputed, and stolen ports/numbers.
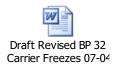

PIM 53 Service
Provider Contact.doc

- It was agreed to close Action Item 071211-LNPAWG-02 and assign a new Action Item to Service Providers. All Service Providers are to review the attached PIM 53 (Inadvertent Port) Contact List and provide any missing or updated contact information to the LNPA WG Co-Chairs by October 31, 2011. The Co-Chairs e-mail

addresses are: gary.m.sacra@verizon.com (Gary Sacra), paula.jordan@t-mobile.com (Paula Jordan), and lpeterman@onecommunications.com (Linda Peterman).

PIM 53 Service
Provider Contact Upd

Action Item 071211-LNPAWG-05: Regarding the attached approved revision to Best Practice 32, Gary Sacra, LNPA WG Co-Chair, will incorporate it into the overall NP Best Practices document.

Draft Revised BP 32
Carrier Freezes 07-04

- The group reviewed Best Practice 32 and agreed to close Action Item 071211-LNPAWG-05.

Action Item 071211-LNPAWG-06: Gary Sacra, LNPA WG Co-Chair, will indicate in Best Practice 37 that the FCC has adopted language in support of the Best Practice.

- The group reviewed Best Practice 37 and agreed to close Action Item 071211-LNPAWG-06.

Action Item 071211-LNPAWG-09: Gary Sacra, LNPA WG Co-Chair, will update the NP Best Practices document as follows, to reflect changes agreed to at the July 2011 LNPA WG meeting:

1. Remove PIM documents from the Best Practices and insert links to PIMs when the updated NPAC website is up and running. **(REMAINS OPEN AWAITING NEW WEBSITE)**
2. Remove BP 55.
3. Shorten title of Best Practice 57 and Best Practice 59 and move other text to Decisions/Recommendations section.
4. Add references to FCC 09-41 and FCC 10-85 in Industry Documentation for Best Practice 60.
5. Add reference to FCC10-85 to Industry Documentation for Best Practice 61.
6. Remove Best Practice 62.

- Items 1 and 3 (BP 59 only) above remain open. It was agreed that Items 2, 4, 5, and 6 were completed.

Action Item 071211-LNPAWG-10: Regarding the attached proposed revision to Best Practice 33, Deb Tucker, Verizon Wireless, will introduce an issue at the OBF's Local Ordering Task Force (LOTF) to address this item.

BP 33 draft 050311
v3.docx

- Action Item 071211-LNPAWG-10 remains open.

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.

Action Item 071211-LNPAWG-01: Neustar will provide a description of the impacts of NPA splits on the NPAC to Teresa Patton, AT&T, for possible inclusion in a proposed Best Practice on NPA splits.

- Action Item 071211-LNPAWG-01 was completed and is closed.

Action Item 071211-LNPAWG-07: Gary Sacra, LNPA WG Co-Chair, will revise the proposed Best Practice on "stolen numbers" as agreed to at the July 2011 LNPA WG meeting, and distribute it to the group for review and discussion at the September 2011 LNPA WG meeting.

- Action Item 071211-LNPAWG-07 was completed and is closed.

Action Item 051011-14: Service Providers are to review internally the attached proposed Best Practice on stolen/fraudulently acquired numbers, especially the "safe harbor" statement in the last paragraph, and come prepared on the June 14, 2011 LNPA WG conference call to determine if the Best Practice will be accepted or to suggest any revisions.

Stolen Number BP
v7.docx

- Gary Sacra, LNPA WG Co-Chair, will revise the proposed Best Practice on "Stolen Numbers" as follows per agreements reached at the September 2011 LNPA WG meeting:

    1. Change "carrier" and "provider" in the last paragraph to "Service Provider."
    2. Insert "Upon request" at beginning of last sentence.
    3. Change "their" to "its" in last sentence.
    4. Change "correct" to "rightful" in last paragraph.

5. Add "telephone" before instances of "number" in document.
6. Swap the order of the last two paragraphs.
7. Accept all revisions and incorporate this proposed Best Practice in the overall Best Practice document.

Stolen Number BP
v8.docx

- Action Item 051011-14 is closed.

Action Item 071211-LNPAWG-08: Gary Sacra, Verizon, will discuss internally the suggestion to revise the attached proposed Best Practice on CSR requests to reflect that submission of any WTN associated with the account will result, at a minimum, in the return of the CSR for that WTN, but that CSR must contain all necessary account information, e.g., Account Number (AN), Billing Telephone Number (BTN), Customer Name, Customer Address, etc., in order to complete a Local Service Request (LSR) for any telephone number(s) associated with the customer's account.

Draft BP on CSR
Requests v7.doc

- Gary Sacra, Verizon, presented v7 of the proposed Best Practice (attached above) and explained that it incorporates the revisions requested at the July 2011 LNPA WG meeting. He further stated that Verizon requests that if the LNPA WG can reach consensus on the proposed BP, it be taken to NANC with a request for endorsement and forwarding to the FCC for adoption.

- In stating Windstream's objection to the proposed BP, Traci Brunner, Windstream, provided the attached Kentucky Order and Telecom Act on CPNI, stating that Windstream believes that written authorization is required and not a Third Party Verification (TPV). Traci suggested a 3-way call among the NLSP, OLSP, and the End User to obtain the Account Number (AN).
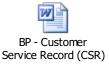
KY PSC Order - Case
No 2008-00335 (July

  o Gary Sacra, Verizon, commented that Verizon has not seen any problem with not requiring the AN for incoming CSR requests and that such a requirement is adding time and burden to the overall porting process.

  o Level 3 stated that a 3-way call is not always an efficient process to set up.

- Vonage stated that it is their position that authorization can also be in the form of an IVR, e-mail, online authorization, etc.

- CenturyLink reminded the group of BP 37 and the cites that state what are the acceptable forms of authorization.

- Windstream was asked what on Windstream's CSR do they consider CPNI. Windstream responded that the customer's specific services are what they consider to be CPNI.

- CenturyLink read the definition of CPNI as defined by the FCC in Paragraph 5 of the attached FCC 07-22:

CPNI 2007 order.doc

"5. CPNI is defined as "(A) information that relates to the quantity, technical configuration, type, destination, location, and amount of use of a telecommunications service subscribed to by any customer of a telecommunications carrier, and that is made available to the carrier by the customer solely by virtue of the carrier-customer relationship; and (B) information contained in the bills pertaining to telephone exchange service or telephone toll service received by a customer of a carrier." Practically speaking, CPNI includes information such as the phone numbers called by a consumer; the frequency, duration, and timing of such calls; and any services purchased by the consumer, such as call waiting. CPNI therefore includes some highly-sensitive personal information."

- Traci then walked the group through Windstream's red-lined BP proposal (attached).

BP - Customer
Service Record (CSR)

- Windstream suggested that a written LOA is required for a CSR pull and cited the Telecom Act of 1996. A provider responded that the Act gave the FCC the authority to administer LNP and subsequent rulings could trump the statute. Windstream did not agree. It was stated that FCC Orders become law. Two providers agreed that the Telecom Act is the ultimate authority, but stated that the wording in the Telecom Act does not preclude the use of verbal authority.

- Windstream requested that this proposed BP be held over for further discussion. Verizon stated that this BP has been discussed over a number

of months and requested that if consensus is reached on a BP that it be presented to the NANC at their meeting on September 15, 2011.

o Brighthouse stated that they also have problems with an ONSP requiring a separate CSR for every number on the account for multi-TN ports.

o Cablevision asked why the date that the authority was obtained is important and proposed in Verizon's BP. Verizon and CenturyLink responded that they find this necessary and valuable data when addressing disputes, especially when SP reps are no longer available at the time of a dispute.

o Paula Jordan, LNPA WG Co-Chair, called the question on acceptance on each of Windstream's proposed changes (listed below from Windstream's proposed revised BP):

1. "(Windstream Note: The NANC LNP Provisioning Flows need to be updated to reflect only a Written Letter of Authorization is accepted as verifiable authority pursuant to Statute. (Telecommunications Act as Amended in 1996, Sec. 222. Privacy of Customer Information, C. Confidentiality of Customer Proprietary Network Information, 2. Disclosure on Request by Customers – a telecommunications carriers shall disclose customer proprietary network information upon affirmative written request by the customer, to any person designated by the customer (http://transition.fcc.gov/Reports/tcom1996.pdf)):"

   • There was no consensus to add this note in the Related Issue section.

2. "NLSP obtains verifiable authority (Written Letter of Authorization – [LOA], (Windstream Note: Pursuant to the Statute (Telecommunications Act as Amended in 1996, Sec. 222. Privacy of Customer Information, C. Confidentiality of Customer Proprietary Network Information, 2. Disclosure on Request by Customers – a telecommunications carriers shall disclose customer proprietary network information upon affirmative written request by the customer, to any person designated by the customer (http://transition.fcc.gov/Reports/tcom1996.pdf)) , for CSRs, only a Written Letter of Authorization is acceptable as a means of verifiable authority)) from end user to act as the official agent on behalf of the end user. The OLSP cannot require a physical copy of the end user authorization to be provided before processing the non-disputed Customer Service Request (CSR) or the non-disputed port request. The NLSP is responsible for demonstrating verifiable

authority in the case of a dispute and provide the physical copy of the end user's Written Letter of Authorization)."

- There was no consensus to accept Windstream's proposed revisions above.

3. "(Windstream recognizes customer's Account Number as a required and critical identification field on the CSR at the time the CSR is submitted by the New Local Service Provider (NLSP) to the Old Local Service Provider (OLSP). For further details see the attached hereto Statute, Kentucky PSC Order - Case 2008-00335 (http://psc.ky.gov/order_vault/orders_2011/200800335_07292011.pdf), the FCC's Consumer Facts (http://transition.fcc.gov/cgb/consumerfacts/numbport.pdf), and in light of the new industry concerns about cramming/slamming and the call for there to be an increase in customer protections (including using passcodes), this trend to move away from account number seems against the policy trend in addition to being counter to the rules/law as attached hereto (see attached)."

- There was no consensus to accept the proposal above in the Related Issue section.

4. "Each NLSP has the ability along with the customer on the line to make a three-way call to OLSP's Customer Call Center to obtain Account Number (AN) and any customer requested PIN/Passcode. (Windstream Note: See above comment.)"

- There was no consensus to accept the proposal above in the Related Issue section.

5. From Windstream's proposed Decisions/Recommendations section:

"It is the position of the LNPA WG that for all Customer Service Record (CSR) requests, only the following information may be required by the Old Local Service Provider (OLSP) when the New Local Service Provider (NLSP) makes a request for a CSR. This information will result, at a minimum, in the return of the CSR for the specified Working Telephone Number (WTN), but that CSR must contain all necessary account information, e.g., Account Number (AN), Billing Telephone Number (BTN), Customer Name, Customer Address, etc., in order to complete a Local Service Request (LSR) for any telephone number(s) associated with the customer's account.
   1. If an Account Number is provided by the NLSP, and a Working Telephone Number (WTN) associated with the

customer's account is requested, then the CSR returned will contain details specific to this Working Telephone Number (WTN) only.
2. If an Account Number is provided by the NLSP, and an Account Telephone Number (ATN/BTN) associated with the customer's account is requested, then the CSR returned will contain details for any Working Telephone Number (WTN) associated with the customer's account.
3. A positive indication that the proper Written Letter of Authorization has been obtained from the customer prior to Customer Service Request (CSR),
4. The date that authority was obtained from the customer.
5. NLSP provides the customer requested PIN/passcode.

(Note: (Windstream Note: See above) If the Account Number is provided, and the BTN or AN is not used to pull the initial CSR, to insure a complete CSR, including all WTN's on the account can be returned for the entire account, it may be necessary for the New Provider to submit a second CSR request, using the AN or BTN provided in the first CSR retrieval, to get the full CSR for the account.)

The NLSP must obtain verifiable authority (Written Letter of Authorization – [LOA]) (Windstream Note: See above) from the end user to act as the official agent on behalf of the end user prior to requesting the CSR from the OLSP. The NLSP is responsible for indicating positively on the CSR request that they have obtained the necessary verifiable Written Letter of Authorization from the end user and the date that authority was obtained. The NLSP is responsible for demonstrating verifiable authority in the case of a dispute and provide the physical copy of the Written Letter of Authorization.

If approved by the LNPA WG, Verizon further requests that the approved Best Practice be submitted to the NANC with a request for their endorsement, and that it be forwarded to the FCC for adoption into the NANC LNP Provisioning Flows. (Windstream Note: The NANC LNP Provisioning Flows need to be updated to reflect only a Written Letter of Authorization is accepted as verifiable authority pursuant to Statute.)"

- There was no consensus to accept the proposal above in the Decisions/Recommendations section.

o The group agreed to add "Providing" in front of the 2nd paragraph in the Decisions/Recommendations section.

- o Paula Jordan, LNPA WG Co-Chair, then called the question on accepting Verizon's proposed BP v7 attached above. Only Windstream objected to accepting v7 as is. Consensus was reached to accept v7 of the proposed BP and to have it presented to the NANC at their September 15, 2011 meeting, asking for NANC endorsement and forwarding to the FCC with a request that it be adopted into the NANC LNP Provisioning Flows.

- o This is new Best Practice 70.

Next Steps for Best Practices Review and Update – All:

- The group agreed on the following next steps for the Best Practice revisions project:
   - o Finalize all Action Items,
   - o Service Providers will then discuss the revised BP document internally and come to a future LNPA WG meeting prepared to present any concerns and suggested revisions,
   - o Work to reach consensus at the LNPA WG on the final BP document,
   - o Reach agreement on the document format that will be presented to NANC,
   - o Present the consensus document at a future NANC meeting and ask for their endorsement and forwarding to the FCC for adoption.

- Linda Peterman, LNPA WG Co-Chair, stated that we need to provide any recommended revisions to the NANC LNP Provisioning Flows based on the finalized revised BPs. All agreed.

Report of FCC 09-41 Non-Compliance to NANC – All:

Action Item 051011-04: Neustar will determine if they can develop a list of inactive SPIDs, their associated SP Names, and the type of association, e.g., Service Bureau, etc, for use in determining any Service Providers that are not complying with the one-day porting Order. This will be discussed at the July 2011 LNPA WG meeting.

- The group shared and discussed concerns regarding distributing a report of non-compliant SPs that may not be entirely accurate and the implications of having a provider incorrectly singled out as non-compliant.

- It was agreed that the list that was developed would not be shared. SPs were advised to use the MTI profile list on the secure website and the known waiver list for their individual identification of non-compliant SPs..

Develop September 15, 2011 NANC Report – All:

- The group agreed to have the following items reported to the NANC at their September 15, 2011 meeting:
   - o Update of LNPA WG's LNP Best Practices and Next Steps

- o LNPA WG Approved Best Practice on Customer Service Record (CSR) Requests (Best Practice 70) – Request NANC endorsement and forwarding to FCC with a recommendation for its adoption

FULL LNPA WORKING GROUP DISCUSSION:

WEDNESDAY 09/14/11

Wednesday, 09/14/11, Attendance:

Name	Company	Name	Company
Tracey Guidotti	AT&T	John Nakamura	Neustar
Ron Steen	AT&T	Marcel Champagne	Neustar
Teresa Patton	AT&T	Dave Garner	Neustar
Renee Dillon	AT&T Mobility	Lavinia Rotaru	Neustar
Lonnie Keck	AT&T Mobility	Mubeen Saifullah	Neustar Clearinghouse
Barb Hjelmaa	Brighthouse (phone)	Shannon Sevigny	Neustar Pooling (phone)
Matt Nolan	Brighthouse (phone)	Carol Frike	Sprint Nextel
Tony Fillipone	Cablevision (phone)	Chad Younger	Sprint Nextel
Marian Hearn	Canadian LNP Consortium	Suzanne Addington	Sprint Nextel
Jan Doell	CenturyLink	Jim Gampper	Sprint Nextel
Vicki Goth	CenturyLink	Shaunna Forsher	Sprint Nextel
Tim Kagele	Comcast (phone)	Nancy Conant	Synchronoss
Dena Hunter	Cricket (phone)	Bob Bruce	Syniverse (phone)
Linda Peterman	EarthLink Business	Joel Zamlong	Telcordia
Crystal Hanus	GVNW (phone)	Pat White	Telcordia
Bonnie Johnson	Integra	Lisa Marie Maxson	Telcordia
Karen Hoffman	John Staurulakis, Inc. (phone)	George Tsacnaris	Telcordia
Bridget Alexander	John Staurulakis, Inc. (phone)	Kayla Sharbaugh	Telcordia (phone)
Angie Beckett	John Staurulakis, Inc. (phone)	Steve Koch	Telcordia (phone)
Stephanie Hudson	John Staurulakis, Inc. (phone)	Paula Jordan	T-Mobile
Eric Monkelien	Level 3	Luke Sessions	T-Mobile
Kristin Hamilton	Neustar	Gary Sacra	Verizon
Jim Rooks	Neustar	Deb Tucker	Verizon Wireless
Paul LaGattuta	Neustar	Darren Krebs	Vonage
Stephen Addicks	Neustar	Traci Brunner	Windstream

MEETING MINUTES:

Next Day porting Lessons Learned – All:

Action Item 071211-LNPAWG-03: Teresa Patton (AT&T), Barb Hjelmaa (Brighthouse), and Bob Bruce (Syniverse) will form a sub-team to develop a draft One-Day Porting Lessons Learned document, including a proposed process for addressing non-compliance to future regulatory mandates. The sub-team will be led by Teresa Patton (AT&T). Anyone wishing to join the sub-team should contact Teresa at teresa.j.patton@att.com.

Brainstorming of
Possible One Day Por

- Action Item 071211-LNPAWG-03 remains open.

Addition and Prioritization of Future LNPA WG Agenda Items – All:

Action Item 071211-LNPAWG-04: Gary Sacra, LNPA WG Co-Chair, will update the Brainstorming of Future LNPA WG Agenda Items document to add the following, which were identified at the July 2011 LNPA WG meeting:

1. Add a column to the table to provide the date when items are closed.
2. Add an item for identifying functionalities to be considered for sunsetting.
3. Add an item for addressing non-compliance to future regulatory mandates.
4. Add an item for addressing future FCC actions that affect porting/pooling.

Brainstorming of
Possible Future LNPA

- The group reviewed and approved the updates to the document per Action Item 071211-LNPAWG-04 and agreed to close the Action Item.

PIM Discussion:

- PIM 64 – This PIM, submitted by VeriSign, proposes a new tunable parameter in NPAC to allow the suppression of LTI-initiated transactions to the mechanized SOAs.

PIM 64.doc

PIM 64 was accepted at the September 2007 LNPA WG meeting. VeriSign submitted NANC Change Order 423 to address the issue identified in PIM 64. PIM 64 is now in a Tracking state.
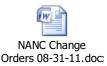
Gary Sacra, LNPA WG Co-Chair, will contact TNS to determine if they will agree to close PIM 64, which is related to NANC Change Order 423.

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

PIM 80.doc

The LNPA WG's recommendation to the NAPM LLC to request a Statement of Work (SOW) from Neustar for PIM 80 was sent to the NAPM LLC. PIM 80 will remain in a tracking state awaiting implementation of SOW 82.

Change Management – Neustar:

NANC Change
Orders 08-31-11.doc

- NANC 446 – There were no questions from the group with regard to NANC 446. It was agreed that Neustar should send an SOW to the NAPM LLC. At the direction of the LNPA WG at the September 2011 LNPA WG meeting, Gary Sacra, LNPA WG Co-Chair, will send a request to the NAPM LLC for a Statement of Work (SOW) from Neustar on the attached NANC Change Order 446.

NANC 446.docx

NOTE: This Action Item was completed on September 19, 2011.

Action Item 071211-LNPAWG-11: Regarding the attached PIM related to future-dated pending SVs that are preventing the telephone numbers from being ported, Service Providers are to come to the September 2011 LNPA WG meeting prepared to determine if we will accept PIM, and if yes, what is the time limit for scheduling pending SVs in the future, and what option to address the issue – a new error code to reject an attempt to create an SV exceeding the time limit up front, delete pending SVs as part of NPAC housekeeping after time limit is reached, or both.

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- Verizon and CenturyLink stated that they do not support acceptance of this PIM. Verizon uses this method of future-dated pending SVs to protect their own administrative telephone numbers from being inadvertently ported, which has been a problem in the past.

- AT&T stated that they would not support an edit to prevent future-dated pending SVs beyond a certain time limit but would support a periodic cleanup.

- There was no consensus to accept this PIM. Action Item 071211-LNPAWG-11 was closed.

2011 LNPA WG Meeting/Call Schedule – All:

[Word document icon]
2011 LNPA WG
Meeting and Call Sche

- The group reviewed the remaining 2011 call/meeting schedule and made no changes other than agreeing NOT to hold a conference call for October.

2012 LNPA WG Meeting/Call Schedule – All:

[Word document icon]
2012 LNPA WG
Meeting and Call Sche

- The group reviewed the 2012 call/meeting schedule and made the following changes:
    o The March 13-14, 2012 meeting in Denver, Colorado, hosted by Comcast, is firm.
    o Neustar and the Canadian LNP Consortium agreed to swap the months they are hosting. Neustar will host the May 8-9, 2012 meeting in Key West, Florida. The Canadian LNP Consortium will host the July 10-11, 2012 meeting in Mont Tremblant Quebec, Canada.
    o The September 11-12, 2012 meeting in Denver, Colorado is firm. CenturyLink and Tekelec will be co-hosting.

Discussion of Need for October 11, 2011 APT and Full LNPA WG Calls – All:

- The group agreed that there would be no APT or Full LNPA WG conference calls held on October 11, 2011.

- Sub-team calls to continue the APT's work on revisions to the test plans will be scheduled separately.

Action Items Not Previously Discussed in Agenda – All:

JULY 12-13 2011
FULL LNPA WG ACTIC

Review of July 12-13, 2011 FULL LNPA WG Action Items:

July 12-13, 2011 FULL LNPA WG Action Items:

- Item 071211-01: This item has been completed and is Closed.

- Item 071211-02: This item has been completed and is Closed.

- Item 071211-03: This item remains Open.

- Item 071211-04: This item has been completed and is Closed.

- Item 071211-05: This item has been completed and is Closed.

- Item 071211-06: This item has been completed and is Closed.

- Item 071211-07: This item has been completed and is Closed.

- Item 071211-08: This item has been completed and is Closed.

- Item 071211-09: This item remains Open.

- Item 071211-10: This item remains Open.

- Item 071211-11: This item has been completed and is Closed.

FULL LNPA WG Action Items Remaining Open from Previous Meetings:

- Item 031511-04: This item remains Open.

- Item 051011-01: This item remains Open.

- Item 051011-04: This item has been completed and is Closed.

- Item 051011-14: This item has been completed and is Closed.

New/Unfinished Business (All):

- Teresa Patton, AT&T, requested that the group revisit NANC 372, which addresses an alternative interface, e.g., XML, to the current CMIP interface. APT Participants are to come to the November 9, 2011 LNPA WG APT meeting prepared to begin discussions on NANC Change Order 372 (see in attached document), which addresses a proposed alternative interface, e.g., XML, to the current CMIP interface.

    NANC Change
    Orders 08-31-11.doc

- Bonnie Johnson, Integra, discussed cases where the customer contacts the Old SP to cancel the port request. She stated that a provider has initiated a process starting 9/1/2011 whereby they place an LSR in jeopardy if the customer contacts them as the Old SP to cancel the port. It was stated that the NANC LNP Provisioning Flows currently support this and also state that the Old SP must have proper authority from the customer to cancel the port. Bonnie stated that Integra wants to research whether any orders support or oppose the Old SP canceling the port. She said in some cases issuance of the LSR is the step that initiates the provisioning of facilities. Bonnie requested that a sub-team be formed in order to develop a proposed Best Practice for consideration by the full LNPA WG. Bonnie Johnson, Integra, will pull a sub-team together to discuss development of a proposed Best Practice related to the end user contacting the Old Service Provider to cancel their port request. The following volunteered to assist Bonnie in the discussion:
    > Jan Doell (CenturyLink)
    > Barb Hjelmaa (Brighthouse)
    > Tim Kagele (Comcast)
    > Linda Peterman (Earthlink)
    > Gary Sacra (Verizon)

No Full LNPA WG or APT conference calls are scheduled for October 2011. Sub-team calls to continue the APT's work on revisions to the test plans will be scheduled separately.

Next Meeting …November 9-10, 2011: Location…San Antonio, Texas
…Hosted by AT&T (NOTE THAT THIS IS A WEDNESDAY AND THURSDAY)