LNPA WORKING GROUP
July 12-13, 2016 Meeting
DRAFT Minutes

Durham, NC	Host: Bandwidth.com

TUESDAY July 12, 2016
Attendance

Name	Company	Name	Company
Lonnie Keck	AT&T	Bonnie Johnson	MN PUC
Teresa Patton	AT&T	Jack Aronson	Masergy
Jackie Voss	ATIS (phone)	Lynette Khirallah	NetNumber (phone)
Anna Kafka	Bandwidth.com	Anand Rathi	Neustar
Kelly Doty	Bandwidth.com	Dave Garner	Neustar
Lisa Jill Freeman	Bandwidth.com	Gary Sacra	Neustar
Matt Ruehlen	Bandwidth.com	Jim Rooks	Neustar
Sarah Delphey	Bandwidth.com	John Nakamura	Neustar
Glenn Clepper	Bright House/Charter	Marcel Champagne	Neustar
Marian Hearn	Canadian LNP	Mubeen Saifullah	Neustar
Nancy Cornwell	Cellcom (phone)	Pamela Connell	Neustar
Phil Linse	CenturyLinkv(phone)	Paul LaGattuta	Neustar
Mary Retka	CenturyLink (phone)	Shannon Sevigny	Neustar Pooling (phone)
Jan Doell	CenturyLink	Vikram Mehta	Oracle Communications
Betty Sanders	Charter Comm (phone)	Hollie Carrender	Sprint
Kathy Troughton	Charter Comm (phone)	Suzanne Addington	Sprint
Eric Chuss	Chase Tech (phone)	Rosemary Emmer	Sprint (phone)
Randee Ryan	Comcast	Darren Post	Synchronoss
Beth O'Donnel	Comcast	Bob Bruce	Syniverse (phone)
Joe Mullin	Edge Comm (phone)	Paula Campagnoli	T-Mobile
Wendy Rutherford	GVNW (phone)	Luke Sessions	T-Mobile
Doug Babcock	iconectiv	Amanda Molina	Townes Telecom
George Tsacnaris	iconectiv	Tanya Golub	US Cellular (phone)
John Malyar	iconectiv	Deb Tucker	Verizon Wireless
Ken Havens	iconectiv	Kathy Rogers	Verizon Wireless
Pat White	iconectiv	Jason Lee	Verizon
Steven Koch	iconectiv	Imanu Hill	Vonage
Joel Zamlong	iconectiv	Scott Terry	Windstream
Kimberly Issaac	Integra telecom (phone)	Dawn Lawrence	XO
Bridget Alexander	JSI		
David Malfara	LNPA Alliance (phone)		

NOTE: OPEN ACTION ITEMS REFERENCED IN THE MINUTES BELOW WERE CAPTURED IN THE "July 12-13, 2016 LNPA WG ACTION ITEMS" FILE AND ATTACHED HERE.

LNPA WG Action
Items.docx

LNPA WORKING GROUP MEETING MINUTES:

The FCC has released the names of those that have been vetted as voting members of the LNPA WG. Dawn Lawrence sent out an email to the LNPA WG distro with the list of these vetted members that are approved to vote in the LNPA Working Group. This had to be done to align more closely with the Federal Advisory Committee Act (FACA). The FCC has received a list of nominees for membership and membership approval has been completed.

Local Number Portability Administration (LNPA) WG
Approved Co-Chairs: Paula Jordan Campagnoli, T-Mobile
                                   Dawn Lawrence, XO

Organization	Primary	Alternate
10X People	Lisa Marie Maxson	N/A
800 Response	David Greenhaus	N/A
AT&T	Teresa Patton	N/A
ATL	Brian Lynott	N/A
CenturyLink	Jan Doell	Mary Retka
Comcast	Randee Ryan	N/A
Cox	Jennifer Hutton	Beth O'Donnell
JSI	Bridget Alexander	N/A
LNP Alliance	Dave Malfara	James Falvey
SIP Forum	Richard Shockey	N/A
Sprint	Suzanne Addington	Rosemary Leist
T-Mobile	Paula Campagnoli	Luke Sessions
Townes Telecommunications Service Corp.	Amanda Molina	N/A
Verizon	Deborah Tucker	Jason Lee
Vonage	Darren Krebs	N/A
Windstream	Scott Terry	N/A
XO	Dawn Lawrence	N/A

Bandwidth will resend the Primary and Alternate to the FCC for Vetting.

TRI-Chair Nomination

Paula Campagnoli informed the group that Ron Steen has retired and nominations are being accepted for the vacant LEC tri-chair position. So far, Deb Tucker, Verizon, has been nominated. Elections will occur on Wednesday, July 13, 2016.

The May 3-4, 2016, LNPA WG DRAFT minutes were reviewed and approved with minor typo changes and will be issued as FINAL.

Updates from Other Industry Groups

OBF Committee Update – Deb Tucker:

OBF

ORDERING SOLUTIONS COMMITTEE

LNPA WG Readout

July 12, 2016

WIRELESS SERVICE ORDERING SUBCOMMITTEE

The Wireless Service Ordering subcommittee is monitoring activities related to Nationwide Number Portability for potential impacts to the wireless porting process; however, there is currently nothing yet to review. The next checkpoint call is scheduled for July 20, 2016.

LOCAL SERVICE ORDERING SUBCOMMITTEE

The LSO Subcommittee met the week of May 16th at AMOC, May 24th, May 26th, June 2nd, and June 23rd. Five new issues were accepted and UOM document updates were discussed.

Open Issues

Issue 3448, LSOG: Add new Line Activity (LNA) value to require disposition of each Telephone number when converting

Participants reviewed Issue 3448, which was previously withdrawn on August 20, 2015, and it was suggested to add valid entry Note 2: When Valid entry of "A" or "B" is present, any unaddressed products are assumed to be retained by the current provider. It was noted that this work item will remain withdrawn. A new Issue will be submitted if it is determined that there is a business need in the future.

Issue 3554, *LSOG: Allow Line TOS (LTOS) on Resale*

Participants reviewed Issue 3554, added LTOS to the Resale Service (RS); (076) practice and modified Note 1 on DID/DOD/PBX (DDPS); (081), updated ISDN (083) practice from conditional to optional and removed Usage Note 1.

> **Agreement Reached:** Participants agreed to refer Issue 3554 to the Ordering Solutions (OS) Committee for Initial Closure with the following resolution statement: *Participants worked on supporting documents to reinstate from previously closed Issue 3024. The LTOS field was added to the 076 resale practice and to the 081 DID/DOD/PBX practice. Modified note 1 of the 2nd character referencing F H J K P Q R for Resale 076 and reflected "J and Q" as valid values for DID/DOD/PBX 081. Usage of the 083 practice was updated from conditional to optional and usage note 1 was removed.*

Issue 3555, LSOG: DSTN remove usage notes requiring DTNT

Participants reviewed Issue 3555 and modified definition, usage and example on the DID/DOD/PBX (DDPS); (081) practice and definition and example on the Local Response (099) practice.

> **Agreement Reached:** Participants agreed to refer Issue 3554 to the OS Committee for Initial Closure with the following resolution statement: *The committee agreed to modify the DSTN definition, usage and examples on the 081 practice and the definition and examples on the 099 practice.*

New Issues

New Issue 1, *LSOG: Update Local Response to include Appointment Time (APPTIME)*

Participants reviewed New Issue 1 to add APPTIME to the Local Response practice (099) and add a usage note applicable for RT=C (Confirmation/FOC).

> **Agreement Reached:** Participants approved New Issue 1 to be referred to the OS Committee for acceptance and Initial Closure with the following resolution statement: *Added APPTIME (associated with Due Date (DD)) to the FOC/Confirmation response as part of the 099 practice (LR).   Modified the 099 LR practice to add the APPTIME field and applicable for RT=C (FOC/Clarification).*

New Issue 2, *LSOG: Update Local Response to include new field for Billing Completion Date (BCD)*

Participants reviewed New Issue 2 to add Billing Completion Date (BCD) to the Local Response practice (099) and add a usage note applicable for RT=W (Post to Bill).

> **Agreement Reached:** Participants approved New Issue 2 to be referred to the OS Committee for acceptance and Initial Closure with the following resolution statement: *Added Billing Completion Date (BCD) to the Local Response as part of the 099 practice (LR).   Modified the 099 LR practice to add the BCD field and applicable for RT=W (Post to Bill).*

New Issue 3, *LSOG: Add Telecommunication Service Priority (TSP) field to the DID/DOD/PBX form*

Participants reviewed New Issue 3 to add Telecommunications Service Priority (TSP) to the DID/DOD/PBX (DDPS) practice (081).

> **Agreement Reached:** Participants approved New Issue 3 to be referred to the OS Committee for acceptance and Initial Closure with the following resolution statement: *Added the TSP field to the DID/DOD/PBX 081 practice.   Modified the 081 DID/DOD/PBX practice to add the TSP field.*

New Issue 4, *LSOG: Retired Directory Listings (REQ H) Request Type*

Participants reviewed the issue to remove Directory Listings (REQ H) Request Type from the LSR practice (071) and approved it to be referred to the OS Committee for acceptance.

New Issue 5, *LSOG: Modify Local Response to individual Notice by response type*

Participants reviewed the issue to modify the Local Response practice (099) to be specific to individual response types (e.g. Confirmation, Jeopardy, Reject, etc.) and approved it to be referred to the OS Committee for acceptance.

UOM Schema Discussion

Participants are reviewing model diagrams and schemas for the various LSR forms: LSR 071, EU 072, LS 073, NP 074, LSNP 075, HGI 082, RPL 078, RFR 079, ISDN 083, Resale 076, PS 77, CRS 80, DDPS 81, LR99, and DL 102. A detailed review of all fields and sections will take place with the goal of publishing a new version of the LSOG that will include closed Issues since LSOG 2Q14 along with updates to models and diagrams in LSOG Volume I and in Volume II and Schemas in

Volume III. This will assist LSO in moving forward in a similar direction as ASO with four UOM parts (Base, Order, Preorder, Post Order) and a Notification section vs. just using a Local Response.

Next Meeting:
LSO will meet July 15th and August 5th.

INC Issues Readout   LNPA WG Meeting – July 2016

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

At the May INC meeting, a joint meeting was among INC, NGIIF and PTSC. During that joint meeting a presentation was given regarding the PTSC draft report on Nationwide Number Portability (NNP). The following subjects were identified as being included in the report:

- PTSC is developing a technical report on NNP including:
    - Recap of current LNP implementation
    - 5 NNP proposals
    - Regulated Services impacts (Emergency & NS/EP)
    - NTCA scenarios
    - Analysis & Recommendations – no specific solution recommended
- 5 Approaches covered in the document.
    - Commercial Agreements (the CCA/CTIA Interim solution). Using 3rd parties to provide a point of interconnection in the ported-from LATA and transport terminating calls to recipient carrier network
    - National LRN – allows LRN to be used outside the current LATA boundaries
    - Location Portability per GR-2982-CORE – original (c.1998) specification for portability outside the rate center – circuit switched based. Need an additional signaling parameter (GUBB – geographic unit building block NPA-NXX format) administered by the NPAC
    - Non-Geographic LRN – new numbering resources (Non-geographic area code) to be used for routing numbers (NGLRN) for NNP TNs.
    - Internet Interconnection – this is Port IP transition approach.
- Emergency Services and NS/EP – issue with the ability of one type of legacy PSAP call delivery interface to accommodate more than 4 NPAs
- Analysis and Recommendation
    - PTSC is not recommending an approach but has documented alternatives
        - Each alternative has varying degrees of impacts on interconnection, billing, routing, call processing and settlements
    - The GR-2982 solution, which preserves existing interconnection, billing, and settlements paradigms IS NOT feasible due to the inability to make changes to manufacture discontinued network elements
    - True NNP preserving existing interconnection, billing, and settlements paradigms IS NOT feasible
    - NNP will be more feasible in an IP environment

- Changes to existing paradigms could facilitate NNP
- LRNs will be necessary unless & until the industry comes to consensus on an alternative to central office code based routing
- Each of the approaches in the Report may need further assessment by the appropriate industry committees

It was anticipated that upon completion of letter ballot approval, the document will be published as an ATIS standard and will be made available on a complimentary basis to the FoN.

Discussion: Gary Sacra- GUUB was introduced by Belcore and proposes using a resident NPA NXX. GR-2982 CORE from 1997. It was found not feasible

- **INC – 2017 meeting dates**
  - Week of January 23, 2017
  - Week of March 20, 2017
  - Week of May 8, 2017
  - Week of July 24, 2017
  - Week of September 18, 2017
  - Week of November 13, 2017

Future of Numbering (FoN) Working Group Report to the LNPA WG

July 12, 2016

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

Status:
- There has not been a FoN WG quarterly meeting since April 6, 2016. However, there was an ad hoc meeting held on May 11, 2016 to review a presentation (attached) by Joel Bernstein and Gina Perini on "Texting and Toll Free Numbers".

  May 11 2016 texting and 800 numbers.pc

  - This presentation was given as a result of an action item that the FoN WG received from the acting NANC Chair, Cary Hinton, at the March NANC meeting. The action item was to review and advise the NANC whether further investigation is needed regarding toll free texting by unregistered toll free number holders.

  - The issue being that texting with toll free numbers is not a tariffed service. CTIA has documented guidelines that include SOMOS' TSS registry as being the authoritative registry for Toll Free messaging services. However, these CTIA

guidelines are not enforceable because texting with toll free numbers is not tariffed/regulated by the government.

- o After some discussion it was determined that the FoN WG tri-chairs will provide a status back to the NANC with an update from the FoN WG meeting.

- • Scheduled calls:

  - – 2016 Meeting Schedule:
    August 3, 2016
    October 5, 2016

  Meeting times will remain 12:00ET/11:00 CT/10:00 MT/9:00 PT

NANC Meeting Readout – Paula Campagnoli

Paula Campagnoli informed the LNPA WG that our report to the NANC that the June 30, 2016 meeting went well and that no questions were asked. The next NANC meeting is on September 15, 2016. Paula will develop a draft report and circulate for approval prior to that meeting.

Architecture Planning Team (APT) – John Malyar/Teresa Patton

June 8, 2016 update:
112 – Closed
1 - new
18 - pending doc only changes
9- Open status
New clarification requests are in the latest matrix and will be reviewed during the July 13, 2016 APT meeting.

Action Item 050316-01 – All LNPA WG participants have an action item to:
1. Take back and review the attached document provided by Neustar that proposes areas for further testing analysis and additional test case development to test both the NPAC functionality and LSMS/SOA interface, and come to the July 2016 LNPA WG meeting prepared to determine, item by item, if there is agreement to refer the proposed work to the APT.

   -John Nakamura will look at this from a change management perspective and wants the APT to look at SPID migrations.
   -ATT indicated that SP systems are not set up to connect to two different NPAC systems and SPs will not test from the production NPAC(s). There should be no test cases to tests dual NPACs. The cost to develop a new test environment would not be feasible. Verizon believes that something needs to be done to test as best as possible. Neustar believes this warrants discussion before saying NO. JSI wants to make sure

if they have to have dual connectivity it needs to be tested to ensure it actually works. Oracle indicated from a vendor's perspective that requirements need to be created for testing.

-Iconectiv said that if the team thinks that more vetting needs to be done, it can be done in the APT but it was unclear as to what is being asked with dual operations.

-ATT – indicated that there are still a lot of things regarding transition that cannot be shared, so, until they can be shared this discussion maybe premature. Suggestion to refer the list over to the APT and at the appropriate time it will be addressed.

-Neustar- there are no requirements right now and discussion has to occur to determine if requirements need to be developed prior to the ability to share.

-Discussion between Neustar and iconectiv. APT will discuss and if there are disagreements on whether testing in these scenario's is needed that will be brought back to the LNPA WG to develop

2. For the July 2016 LNPA WG meeting, determine if there are any additional areas for further analysis and additional test case development to be referred to the APT.

- Question Called: Paula asked if there were any objections to send the list to the APT to discuss whether a test case needs to be developed for the list? No Objections.
- CLOSE - Action Item Closed and the APT to report back to the whole LNPA WG if needed.

Neustar's SOA team has conducted a review of the existing 'NPAC Time-Up test cases and is prep

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Change Management

FRS_3.4.8d_06-30-1
6.docx

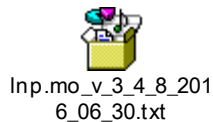John Nakamura, Neustar, reviewed the changes in NANC 479.
- The changes to NANC 479 were accepted.

EFD
Errors-Flows3_4_8d_

John Nakamura, Neustar, reviewed changes in NANC 480.
- The changes to NANC 480 were accepted.

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6_06_30.txt

John Nakamura reviewed the changes in the attached NANC 481.
- There were no questions from the participants.
- The changes to NANC 481 were accepted.

John Nakamura reviewed the changes in NANC 482. There were several documents that will be found on the website.
- The changes to NANC 482 were accepted, with the exception of:
  - Chapter 12 Test Number 354-2 (Prerequisite) needs to be re-reviewed- Close for now and then the APT will reopen it. This is a baseline document and needs to be accepted.

John Nakamura summary document for NANC 483 and NANC 484 have been created with the assigned NANC numbers.

New Change Order (NANC 485)- Turn-Up Test Plan Doc-Only Clarifications – the contents of this document are what was discussed during the June 8, 2016 APT call. Document accepted and assigned NANC 485 Change Order

Best Practice 04 – Sub-Committee Status Report – Betty Sanders

- Glenn Clepper, Charter, reviewed the attached updates.
- Two options presented in the PIM
- Jan Doell indicated that Option 1 states the originating carrier is responsible for doing the dip and that she isn't sure that the FCC agrees with that in all cases.
- Paula Campagnoli said that we need to work towards being responsive to our customer and that she understands both sides of this issue and technology changes over time.
- Glenn said he is not pushing Option 2 but he wants established agreements in place per Option 1. Jan said that it may be possible to compromise to add some of the wording in Option 2, to Option 1, to indicate as long as calls do not fall on the floor while awaiting agreements to be established or if they fail to be established.
- Jan Doell, CenturyLink, presented the attached, N-1 Scenarios, which explains the intricacies and history of N-1 scenarios.

N-1 Scenarios.ppt   BP4 PIM 87_ Bright
                     House Networks 5_3

- Bonnie Johnson, MN PUC, said that they have had complaints at the commission on this issue and that it is not a new issue and was taken to the appropriate industry forum. If BP 4 is no longer the best solution, then she suggested we need to develop a new solution.
- Deb Tucker said that there was no mechanism in place to allow carriers to bill for Option 1.
- Scott Terry, Windstream, has the same concern as Jan that negotiations could be extended and calls could be dropping on the floor until an agreement is established.
- Paula said that she would expect calls to be completed while negotiations are ongoing until an agreement is established. Jan said that she would need language in Option 1 that states that calls will continue to be completed while negotiations are ongoing, with no time limit on negotiations. Jan said that the parties could go to the Commission if an agreement cannot be reached.
- Jan said that there is a technical solution that could be done but it isn't pretty. It would require any switch in the terminating LATA that ports in a TN from an EAS code to associate an LRN from an EAS code with it. That way, calls could be routed directly to the terminating switch.
- Paula asked for volunteers to write up a BP and come up with a maximum time period for negotiations. Deb said from a VZ perspective, there still needs to be a lot of work done on this and she is not prepared to make a decision at this time.
- Paula said that everyone should take back Option 1 and review it and see if they can support it. Deb said that VZW cannot support Option 1 because there is no mechanism to bill for it.
- Betty Sanders said that this is an industry issue and not just a VoIP issue.
- Paula asked if anyone objected to moving forward with a small group writing up a proposed BP for September review. There were no objections. Glenn Clepper will get together a small group within the LNPA WG to rewrite to gain an agreeable compromise for Option 1 for the August 2016 meeting.

==Action Item remaining open from previous LNPA WG meeting:==

PIM from Action Item 030216-01 – <u>Email Service Provider Porting Communication -</u> Sprint brought an issue to the attention of the WG. Some service providers will not accept phone calls in their porting centers, but only respond to email. This creates issues for other companies, and, in particular, introduces delay in resolution of fallout or reject situations.   Action item closed

LNPA PIM SP Email
Guidelines.doc

- Suzanne Addington, Sprint, discusses the PIM
- Resolution to develop a BP
- Scott Terry from Windstream asked if this is going to be honored by the carriers that are causing this and if they know their practices are being discussed in the WG. He suggested a special outreach to these companies.
- A CLEC asked if, in setting up the TPPs, don't they have contact names and numbers in their profiles that were exchanged. Suzanne Addington said that there are exceptions to this

and companies cannot reach out to each company. She said that having an industry BP could improve this situation.

- Deb Tucker said that they are trying to understand what is a reasonable time to wait for an email response. Taking 2 weeks to respond is unreasonable.
- Bridget Alexander, JSI, said that all of her SP clients have phone numbers and email contact info on their profiles.
- Amanda Molina said that this is not just a small carrier problem. She has issues with some large carriers as well.
- Jan Doell said she felt that having a BP would be a positive thing. She suggested reaching out to applicable Account Reps within these carriers.
- There were no objections to drafting a BP. This issue was assigned PIM 88. The draft BP will be reviewed at the September meeting.

PIM 86 –**070715-01** – The disputed port PIM submitted by Bandwidth.com was accepted to be worked as <u>PIM 86</u>.   Lisa Jill Freeman (Bandwidth) will lead a sub-committee to work on details for a process to resolve disputed ports. If approved, the process will be documented as an LNPA WG Best Practice. The sub-committee participants are Suzanne Addington (Sprint), Jan Doell (CenturyLink), Bridget Alexander (JSI), Lonnie Keck (AT&T), Tracey Guidotti (AT&T), Jason Lee (Verizon), Deb Tucker (Verizon), Scott Terry (Windstream), Aelea Christofferson (ATL Communications), Randee Ryan (Comcast), and Luke Sessions (T-Mobile). At the March 2016 LNPA Working Group meeting, the subcommittee reported that they would like to expand the scope of this Action Item, PIM, and proposed Best Practice to include all erroneous ports: inadvertent, slamming, and disputed. The Working Group agreed and the sub-committee will continue to work this issue, and is still led by Lisa Jill Freeman.

- *UPDATE:* Anna Kafka (Bandwidth) updated that progress is being made and they will continue to work on this and give an update in September.

PIM 86 - Process to handle Unauthorize

Action Item 050316-02 – <u>NANC 383 Separate SOA Channel for Notifications</u>

Renee Dillon, AT&T, asked about the implemented Change Order NANC 383 for a separate SOA channel for notifications. She asked if anyone is using it. She said that if there is not a need for it, why did the industry request it and do we want to continue it and continue to regression test it.

- o **This Action Item 05316-02 has been closed**

- During the May 2016 meeting, Neustar had an action item to determine if anyone is using NANC 383 functionality.
    - o Gary Sacra found that No SPs use this. This item should be added to the sunset list by creating a Change Order that doesn't involve the vendors or SPs (NANC460).

- The SP's had an action item to determine if they have a use for NANC 383 functionality.
  - No SP contacted the Tri-Chairs informing them that they had a need for this functionality.

- <mark>New ACTION ITEM</mark> –SPs to go back and internally check to determine what the trigger would be to sunset the functionalities in NANC 460.

LNPA WG Agenda
Item - Sunset List - 0

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<mark>**Testbed Focus Group**</mark>

Mary provided the following email report:

The Testbed Focus Group has continued to meet though our meetings have currently been less often, to allow the test plan sub groups time to meet in between the main group meetings to focus on moving forward to the individual test plan completion of documentation. That work is progressing, as is the continued work in soliciting members for participation in the testing. Many companies have signed the ATIS NDA for participating in the testing, with full access to the testing documentation, and others may still come forward to sign the NDA as well. Our latest full meeting was on 6/28 and our next full meeting is scheduled for 7/26. Testing is expected to begin at the end of 2016.

<mark>**IP Transition effects on Number Portability**</mark>

Mary Retka provided a report:

The major piece is the PTSC document on Nationwide Number Portability which will be reviewed by the LNPA WG.

<mark>**LNPA Transition Discussion - All**</mark>

The APT continues to review the industry test cases for turning up an NPAC/SMS.

The Transition Oversight Manager (TOM) scheduled time following the July LNPA Working Group Meeting to informally meet persons interested in discussing the LNPA transition project.

PTSC-2016-00068R0
09.pdf

- Penn Pfautz gave an overview of the ATIS PTSC Document
- 5 Approaches covered in the document.
  - o Commercial Agreements (the CCA/CTIA Interim solution). Using 3rd parties to provide a point of interconnection in the ported-from LATA and transport terminating calls to recipient carrier network
  - o National LRN – allows LRN to be used outside the current LATA boundaries
  - o Location Portability per GR-2982-CORE – original (c.1998) specification for portability outside the rate center – circuit switched based. Need an additional signaling parameter (GUBB – geographic unit building block NPA-NXX format) administered by the NPAC
  - o Non-Geographic LRN – new numbering resources (Non-geographic area code) to be used for routing numbers (NGLRN) for NNP TNs.
  - o Internet Interconnection – this is Port IP transition approach.
- The NNP sub-committee of the LNPA WG will look at the 5 Approaches that the ATIS PTSC covered in the document that they sent out to determine if there would need to be changes in the flows, processes, or NPAC system(s). There will be an update from the subcommittee in the September 2016 meeting.

Develop the LNPA WG Report to the NANC, FON, IMG, etc.

Paula Campagnoli will develop and distribute a draft NANC report for approval prior to the September NANC meeting.

The FON and IMG representatives will use the NANC report to update their respective groups.

Unfinished/New Business

- Nancy Cornwell- Cellcom – sent a request to change the already approved May 3-4, 2016 DRAFT Meeting Minutes with edits. There were no objections to approving the changed Draft Meeting Minutes.

- Nominations for ILEC Tri-Chair. There is one nomination, Deb Tucker. If there is only one nomination, we would not have to vote. A question was call if there were any objections to having Deb Tucker be the Tri-chair. Scott Terry, Windstream asked what happens when Verizon completes the acquisition of XO. Dawn Lawrence, XO, stated that we will have to

address that when and if it happens. There were no objections and Deb is now the Tri-chair for the LNPA WG.

- There will be an August 10, 2016 LNPA WG call to discuss Best Practice 4 and APT

- Lonnie Keck discussed ATIS NGIIF Service Provider Contact Directory – ATIS sent out a request to update the site with the directory with updated contact information. This is a specific site for LNP contacts. LNPA WG were asked to go update this directory. Jackie Voss, ATIS, posted a new version on July 7, 2016. It is password protected and Jackie will send the PW with the link for the updated directory.

Discussion of Need for August 10, 2016 LNPA WG Call

Group consensus is that there is a need for an August LNPA WG call to discuss BP4 and APT.

STATUS OF ACTION ITEMS:
050316-01 – CLOSED
050316-02 – CLOSED
070715-01 – OPEN
030216-01 CLOSED
New ACTION ITEM –SPs to go back and internally check to determine what the trigger would be to sunset the functionalities in NANC 460

July 2016 Meeting Adjourned

Having completed the agenda for the July 12-13, 2016, LNPA Working Group meeting, the meeting was adjourned. The remaining time allotted for meeting on July 13 will be used by the Architecture Planning Team (APT) to continue review of transition test cases.

2016 LNPA Working Group Meeting Schedule

MONTH (2016)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
January		$5^{th} – 6^{th}$	iconectiv	La Jolla, CA
February		11th		Conference Call
March		$1^{st} – 2^{nd}$	Comcast	Denver, CO
April		13th		Conference Call
May		$3^{rd} – 4^{th}$	Neustar	Miami, FL
June		8th		Conference Call
July		$12^{th} – 13^{th}$	Bandwidth.com	Durham, NC
August		10th		Conference Call
September		$13^{th} – 14^{th}$	Sprint	Overland Park, KS
October		12th		Conference Call
November		$8^{th} – 9^{th}$	Verizon Wireless & AT&T	Atlanta, GA

MONTH (2016)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
December		7th		Conference Call

Next Conference Call … August 10, 2016
Next Meeting … September 13-14, 2016: Location…Overland Park, KS …Hosted by Sprint