LNPA WORKING GROUP

July 11 -12, 2017 Meeting

Final Minutes

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| --- | --- |
| **Durham, NC** | **Host: Bandwidth.com** |

**TUESDAY July 11, 2017**

**Attendance**

| **Name** | **Company** | **Name** | **Company** | |
| --- | --- | --- | --- | --- |
| Lane Patterson | 10xpeople | Bridget Alexander | | JSI |
| Lisa Marie Maxson | 10xpeople (phone) | Jerry James | | LNP Alliance |
| John Skousen | 10xpeople | Lynette T. Khirallah | | NetNumber (phone) |
| David Alread | AT&T | Aaron Goldberger | | Neustar |
| Renee Dillon | AT&T | Anand Rathi | | Neustar |
| Teresa Patton | AT&T | Dave Garner | | Neustar |
| Mark Bilton-Smith | ATL | Gary Sacra | | Neustar |
| Anna Kafka | Bandwidth.com | Jim Rooks | | Neustar |
| Kevin Elkins | Bandwidth.com | Lavinia Rotaru | | Neustar |
| Lisa Jill Freeman | Bandwidth.com | Marcel Champagne | | Neustar |
| Matt Ruehlen | Bandwidth.com | Michael O’Connor | | Neustar |
| Rob Brezina | Bandwidth.com | Mubeen Saifullah | | Neustar |
| Sarah Delphey | Bandwidth.com | Paul LaGattuta | | Neustar (phone) |
| Connie Stufflebeem | BKD, LLP (phone) | Steve Addicks | | Neustar |
| Doug Litten | BVU Authority | Shannon Sevigny | | Neustar Pooling (phone) |
| Joy McConnell-Couch | CenturyLink | Mary Retka | | SOMOS |
| Phil Linse | CenturyLink (phone) | Hollie Carrender | | Sprint |
| Betty Sanders | Charter (phone) | Suzanne Addington | | Sprint |
| Glenn Clepper | Charter | Darren Post | | Synchronoss Technologies |
| Kathy Troughton | Charter (phone) | Jeanne Kulesa | | Synchronoss Technologies |
| Erik Chuss | Chase Tech LLC (phone) | Bob Bruce | | Syniverse (phone) |
| Randee Ryan | Comcast | Luke Sessions | | T-Mobile |
| Kim Isaacs | Electric Lightwave (phone) | Paula Campagnoli | | T-Mobile |
| Wendy Rutherford | GVNW (phone) | Bill Reilly | | TOM |
| Cathy McMahon | iconectiv | Greg Chiasson | | TOM |
| Dave Gorton | iconectiv | Dave Lund | | US Cellular (phone) |
| Doug Babcock | iconectiv | Tanya Golub | | US Cellular (phone) |
| George Tsacnaris | iconectiv | Bale Pathman | | Verizon Wireless (phone) |
| Joel Zamlong | iconectiv | Deb Tucker | | Verizon Wireless |
| John Malyar | iconectiv | Kathy Rogers | | Verizon Wireless |
| Michael Doherty | iconectiv | Dawn Lawrence | | Verizon (phone) |
| Pat White | iconectiv | Jason Lee | | Verizon (phone) |
| Paul Mazouat | iconectiv | Scott Terry | | Windstream (phone) |
| Shanmugavel Krishnan | iconectiv |  | |  |
| Steven Koch | iconectiv |  | |  |

**LNPA WORKING GROUP MEETING MINUTES:**

In order to align more closely with the Federal Advisory Committee Act (FACA) the FCC has received a list of nominees for membership and membership approval was completed. Below are the names of vetted and approved voting members of the LNPA WG.

**Local Number Portability Administration (LNPA) WG**

Approved Co-Chairs:   Glenn Clepper, Charter

Paula Jordan Campagnoli, T-Mobile

Deb Tucker, Verizon

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| --- | --- | --- |
| **Organization** | **Primary** | **Alternate** |
| 800 Response | David Greenhaus | N/A |
| AT&T | Teresa Patton | N/A |
| ATL | Brian Lynott | N/A |
| Bandwidth.com | Lisa Jill Freeman | Anna-Valeria Kafka |
| CenturyLink | Joy McConnell-Couch | Phil Linse |
| Charter | Glenn Clepper | Allyson Blevins |
| Comcast | Randee Ryan | N/A |
| Cox | Jennifer Hutton | Beth O’Donnell |
| Integra Holdings/Zayo | Kim Isaacs | Laurie Roberson |
| JSI | Bridget Alexander | N/A |
| LNP Alliance | Dave Malfara | James Falvey |
| Minnesota DOC | Bonnie Johnson | N/A |
| 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 | Imanu Hill | N/A |
| Windstream | Scott Terry | N/A |
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**May 2-3, 2017 Draft LNPA WG Meeting Minutes Review:**

The May 2-3, 2017, LNPA WG DRAFT minutes were reviewed and approved. The minutes were issued as FINAL.

**June 7, 2017 Draft LNPA WG Meeting Minutes Review:**

The June 7, 2017, LNPA WG DRAFT minutes were reviewed and approved. The minutes were issued as FINAL.

**Updates from Other Industry Groups:**

**OBF (ORDERING AND BILLING FORUM COMMITTEE) - Randee Ryan – Comcast**

**WIRELESS SERVICE ORDERING SUBCOMMITTEE**

The Wireless Service Ordering subcommittee met June 14th, 2017.

**Discussion**

The committee discussed making the password field on the WICIS document required rather than optional. There was no agreement.

The next checkpoint call is scheduled for July 19th, 2017.

**LOCAL SERVICE ORDERING SUBCOMMITTEE**

The Local Service Order Subcommittee met May 8th through May 11, 2017, May 22, 2017 and June 6th, 2017. The June 20th, 2017 meeting was cancelled.

**New Issues**

**Issue 3595** LSOG: Abbreviated High Speed Internet Form and Practice

**Issue 3596** LSOG: Add new NID Request (NIDR) value to reflect a NID move at the existing location.

**Issue 3597** LSOG: Add two new values to the AC (Account Structure Field) on the LSR (071).

**Withdrawn Issues**

[Issue 3584](https://access.atis.org/apps/org/workgroup/portal/project/details.php?project_id=826) - LSOG: Update the Number Portability Form to include Transfer of Call fields

Issue 3521, LSOG: Remove the RVER (071), BA and BLOCK (074 and 75), and REMARKS (072, 073, 075, 077, 078, 079 and 102)

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

**Initial Closure**

Issue 3567, LSOG: Retired Directory Listings (REQ H) Request Type  
[Issue 3585](https://access.atis.org/apps/org/workgroup/portal/project/details.php?project_id=827) - LSOG: Update End User Form to include Shipping Address Fields

[Issue 3586](https://access.atis.org/apps/org/workgroup/portal/project/details.php?project_id=828) - LSOG: Allow NID Request (NIDR) Field on Centrex form

[Issue 3587](https://access.atis.org/apps/org/workgroup/portal/project/details.php?project_id=829) - Update the Local Service Request Form (071) to include new field APT CON

**Current Issues**

It was noted that the target date for the next LSOG release is November 15, 2017.

**Next Meeting:**

LSO will meet July 14th and July 26, 2017.

**NANC Future of Numbering Working Group Update – Suzanne Addington - Sprint**

Since the last LNPA WG meeting, the FoN WG met several times in the month of June to review the request from the FCC Wireline Competition Bureau through NANC Chairman Kane and the NOWG regarding Foreign Ownership of Interconnected VoIP applicants seeking to obtain numbers directly.  The FoN provided input directly to the NOWG on June 19th as requested.  The final report was sent to the NANC and approved during the June 29th NANC meeting.

The next meeting is scheduled for August 2, 2017 at 12 pm ET/11 am CT/10 am MT/9 am PT.  Anyone is welcome to attend.

**INC (Industry Numbering Committee) - Dave Garner – Neustar:**

See attached report.

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**NANC June 29, 2017 Meeting Read out – Deborah Tucker**

The report was given as written and there were no questions raised.



**Architecture Planning Team (APT) Status Report - John Malyar/Teresa Patton:**

Teresa Patton gave the report. The APT met on June 7, 2017, and continued to review the test case matrix. iconectiv is submitting a test plan addendum on how to deal with sunset items. This addendum will eventually become part of the industry test plan. Neustar is bringing in a Change Order on the sFTP agreement reached on the June 7 APT call.

**Action Item(s) Review:**

**091316-01** – APT to discuss NANC 461 to determine potential approach for sun setting SOA and/or LSMS impacting change orders.

This was discussed during the June 7th APT call, but it is also part of the Change Management discussion. The decision to close this action item was determined during the CM portion of the meeting. ACTION ITEM CLOSED.

**11082016-04** – Based on comments from the 11-08-16 meeting, iconectiv to determine the testing certification of the sunset items**.**

This action item was closed based upon iconectiv’s effort to provide a test plan addendum on how to deal with sunset items. This addendum will eventually become part of the industry test plan.

ACTION ITEM CLOSED.

**Action Items from the May meeting:**

**Action Item 05022017-01**- Neustar to provide details on a plan for

implementing secure FTP. Expected response to be provided during the July

LNPA WG meeting.

As a result of the LNPAWG decision to move forward with implementation of GEP benchmark recommendation #1, Neustar has developed the following high level plan:

* Initial outreach to impacted customers is scheduled to start the week of July 17, 2017.
* The sFTP platform is planned to be available to start migration of customers prior to the end of August.
* Migration of all impacted customers is targeted to be completed before the 2017 end of year moratorium begins.
* The old FTP site will be taken offline at the end of December 2017.

No questions or concerns were expressed about this plan. ACTION ITEM CLOSED.

**Action Item 05022017-02 –** iconectiv will explain their understanding of

what testing can and cannot be done with respect to SOW 52 access and

unlimited access needs along with who will be able to access the system.

iconectiv provided the following current planning dates for ad-hoc testing for Release A and Release B:

* Ad Hoc testing of Release A capabilities that are certified by the Vendor and regression tested by the Service Provider
  + 9/25/17 – 2/28/18. There may be planned outages throughout this window which will be communicated to the industry
* Group/Round Robin testing may be able to start earlier
* Ad Hoc testing of Release B capabilities that are certified by the Vendor and regression tested by the Service Provider
  + 1/2/18 – 2/28/18. There may be planned outages throughout this window which will be communicated to the industry

ACTION ITEM CLOSED.

iconectiv clarified that they will have two testbeds, one for certification and one for regular testing. Ad hoc and group/round robin testing will take place on the testbed that is not being used for certification. All testing is scheduled to complete on February 28, 2018. Regarding Release B, when vendors complete their certification testing, then the customers of those vendors will be able to do their ad hoc testing.

A comment was made that the length of time allotted for Release A (CMIP) testing was significantly greater than the time allotted for Release B (XML) testing and there is some concern that some providers may not have much time to do XML testing.

**New Action Item 07112017-16 -** The TOM took an action item to work with iconectiv and local vendors on the Release B testing schedule.

iconectiv expects vendor certification to complete by the end of December 2017, but the certification process can go through the end of February 2018.

As part of this discussion, iconectiv took an action item to provide clarified interpretation to the Tri-Chairs regarding how testing issues may be introduced at the LNPA WG and APT meetings.

**New Action item** **07112017-04** was opened, completed, and closed during the meeting with the following resolution:

iconectiv will provide items to the Industry in support of all parties given it is iconectiv confidential information.

**Action Item 05022017-03 –** Neustar to create a new change order based

on the iconectiv request that the change to Section 5.3.4 be removed from NANC

489 and split out into a separate change order.

Closed – See Change Management

**Action Item 05022017-04 –** Neustar to create a new change order based

on the iconectiv request that this change be removed from NANC 490 and split

out into a separate change order.

Closed – See Change Management

**Action Item 05022017-05 -** Neustar to add an additional change to the new

change order based on the iconectiv request that 1.0 LNP Download Action

Behavior be removed from NANC 481 and split out into the same separate

change order as the change to Section 5.3.4 in NANC 489.

Closed – See Change Management

**Action Item 05022017-06 –** LNPA WG Tri-Chairs to take under

consideration Neustar’s formal requestto have an open ad-hoc testing window

for vendors and providers to go in and do unsupported testing, following

completion of vendor certification testing (similar to what we have today in

SOW 52. See response to Action Item **05022017-02.**

iconectiv confirmed that vendors will have access to the testing environment for ad hoc testing. Closed

**LNPA Transition Discussion – All:**

* 2018 SPID Migration Black Out Presentation follow-up – iconectiv
* iconectiv summarized the presentation that was provided during the June call. Blackouts are proposed to take place the weekend before, during, and after the regional transitions. The blackouts will be just for the regions involved in the upcoming transition. It was agreed that the 2018 SPID migration blackout schedule will be set on the August 9th, 2017 LNPA WG call.
* iconectiv took an action item to overlay their proposed transition-related SPID migration blackout schedule onto the usual 1st Sunday of the month and Holiday blackouts for 2018. The document will be used for review on the August 9th, 2017 LNPA WG call. This is **New Action Item 07112017-05.**
* **New Action Item 07112017-20** captured for stakeholders to consider implications to not having a SPID migration blackout on 6/3/2018. Sprint brought this up in general terms and this will be discussed again during the August 9th meeting.
* Attached is the proposed transition-related SPID migration blackout schedule that was presented at the May LNPA WG meeting.



* General Technical Issues Discussion – All
* iconectiv gave the following statement:

“Since the last face to face LNPA WG meeting we have started Vendor certification testing for Release A as per the transition schedule (i.e. 5/15/17). We have made very good progress. Overall, we are more than half way through planned Vendor testing. All Vendors that are scheduled for Release A certification are in the iconectiv certification test bed. Across the CMISE/CMIP local Vendors for SOA and LSMS there are 13 Systems Under Test planned for Release A certification. A Vendor may have more than one system version in Production that requires certification. The following is the current status of the SUTs:

* 2 have completed certification (1 SOA and 1 LSMS)
* 7 of the remaining 11 are actively testing
* 5 of the 7 are more than 75% complete (2 are 100% executed and over 90% passed)
* The remaining 4 will start this month

During Industry vendor certification testing the following has been observed and we wanted to share with the Industry:

* We have identified issues with some of the local systems’ being noncompliant with the current Interface specification for certain messages. That is there are some messages received that do not conform to the expected syntax format and/or validations. The number of these incidents identified are very small but could impact the execution and certification of the functionality associated with this messaging and therefore they must be addressed before Service Providers using these systems can execute the impacted test cases. That is, one or more expected Industry Test Cases planned to be executed either cannot be executed (the message fails validation) or the expected results cannot be verified. It is worth emphasizing that SPs are not precluded from executing non-impacted test cases.
* The following items were identified to the specifically affected Local System(s).
  + User ID zero length – The User ID in the ACL does not conform to the ASN.1 specified size
  + General Time Stamp – The Time Stamp in the SWIM recovery response message does not conform to the specified syntax
  + CMISSync  Enumeration – In the optional ITU structure the local system is sending an enumeration value that does not conform to the specified set of values
  + Port to Original – In the PTO message the local system is sending values that are explicitly called out in the FRS to be rejected
* iconectiv informed  the affected Local System(s) of the nonconformances and has requested the local system to do an Impact Assessment on the impacted functionality to determine a path forward.
* Since we have not completed Vendor testing, other noncompliances of this spirit may arise and we will continue to work these directly with the impacted Vendor
* In addition to the nonconformance’s just discussed, a Local System identified that the current LNPA supports 2 undocumented  features/behaviors: 1) support for the NOT Filter on Scope and Filtered queries and and 2) their behavior if Effective Release Date for disconnect pending notifications differs. iconectiv implemented the behavior as per the specification which does not pend disconnects that have happened in the past. iconectiv has no plans to support the undocumented feature(s), and we have only implemented support for features and behavior documented in the FRS.
* Therefore, iconectiv suggests that the Industry consult with their Local System Vendor to determine if any of the above items will detrimentally impact current operations. If s, an appropriate course of action needs to be defined and implemented within the current Industry schedule for transition. The nature of these items are such that it may invalidate a specific feature but not prohibit the Local System from certifying other features.”
* The following recommendations and observations were provided by the participants:
  + Service Providers should work with their local vendors to determine if they are impacted by these situations and understand the full scope of the issue.
  + Positive work has taken place so far, but there are some exceptions.
  + Impact assessments are being requested.
  + If the features aren’t being used, then maybe they don’t need to be supported.
  + It was mentioned that these items need to be worked as quickly as possible and if that needs to take place at the APT, then more frequent meetings need to be held. Participants agreed to hold more frequent meetings.
  + Neustar noted that the majority of these items are things that function in production today and the issue of non-conformance or compliance is a judgment call. The group needs to focus on how to get things solved and move forward.
  + Neustar also explained that there has been a lot of years of testing and working with providers where providers have come in with issues and the process has been easier for the NPAC to make changes rather than the vendors.
  + These items are passing for some vendors and failing for others.
  + Regarding the PIM process, it is extremely important to fully document the issues. The point was made to use the PIM process to document the concern and get each formalized.
  + To help maintain confidentiality, iconectiv will bring in the PIMs. The language in the specification is clear and if something else was implemented and it isn’t documented properly, then the documentation needs to be updated, too.
  + Testing is not continuing for some of the test cases and the Change Management approval process during LNPA WG sessions beyond APT will be necessary.
  + The general process for bringing in issues needs to be clarified.
  + Draft PIMs are needed for the APT meeting to be productive. The APT will cover those from a technical level. The intent isn’t to talk about individual vendors, but to clear up the blockers.
* Inter-Carrier Testing Sub-Committee Status – Renee Dillon, AT&T
  + The subcommittee met June 15th, 2017.
  + After review of the existing Group Testing Test case document (Group TC doc), Pat White, iconectiv, identified and presented the current test cases from the Group Test Plan as well as a little more detail on the test cases identified for Round Robin and Partner Testing. This list was distributed out to those that requested it and will be reviewed again at the next ITSC meeting (send an email to Renee Dillon or Anna Kafka for Pat’s Plan.)
  + Iconectiv stated that the NPAC Test environment that will allow for Group and Round Robin Testing or any individual service provider ad hoc and ‘optional’ testing would be available beginning in November, 2017. The NPAC Certification Test environment, different from the NPAC Test environment, is used by iConectiv, Vendors and Service Providers to perform Certification Testing.
  + The ITSC shared the Service Provider contact list with those that had requested it from the co-chairs. Please contact Renee Dillon or Anna Kafka to be added or make a request for the latest list.
  + Local System Vendors are performing their Certifications and, once completed, Service Providers will be able to begin their Certification process with the new LNP Administrator.
  + As Service Providers prepare for their upcoming Individual Certification Test cases as well as review of the Group TC doc, they should identify business scenarios that make the most sense to perform from a group perspective and present them at the next ITSC meeting.
  + The next ITSC meeting is scheduled July 12th, after the LNPA WG APT, at 11 am

**Change Management: Neustar**

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* Gary Sacra reviewed the updated NANC Change Orders in the summary document attached above. The change bars indicate the change from the May 2017 meeting version.
* NANC 460 – Sunset List Items – Local System Impact = No: Change bars were accepted for the revisions discussed and approved on the June 7, 2017 APT call -- iconectiv changes to Sunset Items 1.1 and 1.3, removed duplicate sentence in Item 1.3, and removed Sunset Items 5.1 and 5.2.
* NANC 461 – Sunset List Items – Local System Impact = Yes: Change bars were accepted for the revisions discussed and approved on the June 7, 2017 APT call -- iconectiv changes to Sunset Items 1.1 and 1.3, removed duplicate sentence in Item 1.3, and removed Sunset Items 5.1 and 5.2.

The Tri-Chairs took an action item to request that the NAPM LLC request an SOW.

**New Action Item 07112017-01 -** Tri-Chairs to inform the NAPM LLC that NANC Change Orders 461, 493, 494, and 496 are approved and ready to forward to iconectiv to request SOWs.

* + NANC 481 – GDMO Behavior: NANC 481 was updated to split out the LNP Download Action behavior into a separate Change Order.
  + NANC 488 – XIS Doc-Only Clarifications: A recent change came up during iconectiv’s XML analysis that resulted in a change to the download reason. Those two updates are in the NANC 488 document.
  + NANC 489 – IIS-EFD Doc-Only Clarifications: NANC 489 was updated to split out section 5.3.4 into a separate Change Order.
  + NANC 490 – FRS Doc-Only Clarifications: NANC 490 was updated to split out FRS Requirement RR6-237 into a separate Change Order.
  + NANC 491 – Turn-Up Test Plan Doc-Only Clarifications (May dated redlines):
    - Pat White indicated that iconectiv was fine with the May-dated redline changes in NANC 491, except for the following:

Chapter 13 Test Case 394-3: Pat White stated that the FRS requirement needs to be changed. New Action Item 07112017-07 - iconectiv to send a write-up to Neustar regarding Chapter 13 Test Case 394-3. COMPLETED DURING THE MEETING.

* + Chapter 10 Test Case 6.5.6: Pat White said his concern is that the failed list is on the pooled SV in Step 12. New Action item 07112017-15 - Neustar action item to review Chapter 10 Test Case 6.5.6 regarding the failed list being on the pooled SV in Step 12 (same concern as Test Case 6.5.3).
  + Chapter 10 Test Case 6.5.3: Pat White said his concern is that the failed list is on the pooled SV in Step 12. New Action item 07112017-14 - Neustar action item to review Chapter 10 Test Case 6.5.3 regarding the failed list being on the pooled SV in Step 12 (same concern as Test Case 6.5.6).
    - NANC 491 – Turn-Up Test Plan Doc-Only Clarifications (June dated redlines):
    - Pat White indicated that iconectiv was fine with the June-dated redline changes in NANC 491.
  + Gary then reviewed the following newly created proposed Change Orders:
  + NANC TBD – Recovery – Association Functions (section 5.3.4 split out from NANC 489, 1.0 LNP Download Behavior split out from NANC 481):   
    This Change Order was created from some of the information in NANC 481 and NANC 489.
  + This new Change Order was accepted as NANC 493.
  + New Action Item 07112017-08 - Neustar took an action item to revise NANC 493 to create two NPAC impact boxes, one for Neustar and one for iconectiv, and change the GDMO impact to Y. COMPLETED – SEE BELOW.



* NANC TBD – XML Message Deletion requirement (RR6-237 split out from NANC 490): This Change Order was created from some of the information in NANC 490.
* This new Change Order was accepted as NANC 494.
* New Action Item 07112017-09 - Neustar took an action item to revise NANC 494 to create two NPAC impact boxes, one for Neustar and one for iconectiv. COMPLETED – SEE BELOW.

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* NANC TBD – Secure FTP site document clarifications:
* This new Change Order was accepted as NANC 495.
* New Action Item 07112017-10 - Neustar took an action item to revise NANC 495 to create a new NPAC impact box for iconectiv = N, and to set SOA and LSMS impacts to Y. COMPLETED – SEE BELOW.
* Neustar took an action item to move NANC 495 to the Implemented List. New Action Item 07112017-11 - Neustar action item to move NANC 495 to the Implemented List.



* Three new proposed Change Orders were submitted by iconectiv for discussion during the meeting:
* Change to RR5-51:

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* This was accepted as NANC 496.
* New Action Item 07112017-12 - Neustar action item to put NANC 496 in Change Order format and set the iconectiv NPAC impact to Y. COMPLETED – SEE BELOW.

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* Customer ID Assumptions:



* It was stated that Neustar’s implementation interprets the SPID/NPAC Customer ID as the NPAC Region ID, and iconectiv does not want it to be the Region ID. This impacts key exchanges.Neustar asked how iconectiv was able to exchange keys for vendor testing. iconectiv said they used a workaround.
* This was accepted as NANC 497.
* iconectiv action item to put NANC 497 in Change Order format and set the Neustar NPAC impact to N.
* **New Action Item 07112017-06 -** iconectiv action item to put NANC 497 in Change Order format and set the Neustar NPAC impact to N.

COMPLETED – SEE BELOW.

* It was agreed that there will be no change to the Neustar NPAC. The IIS will reflect that NPAC Customer ID can include SPID.



* Multiple Associations:



* This was accepted as NANC 498.
* New Action Item 07112017-13 - Neustar action item to put NANC 498 in Change Order format. COMPLETED – SEE BELOW.



Further discussion on NANC 498 was deferred to the APT.

**Unauthorized port outs and fraud - Charter:**

* A group of service providers including representatives from Charter, JSI, Comcast, Verizon Wireless, T-Mobile, and Sprint met on June 16 to discuss unauthorized ports to pre-paid wireless accounts, specifically those that have involved fraud. The service providers reviewed recent trends and discussed proactive and reactive actions to address the issue.
* The group also discussed:
  + The simple port validation fields
  + TPV
  + Various suggestions around additional account protection

All companies agreed that further discussion was valuable and agreed to attend additional monthly follow up meetings to discuss the topic.

* Bridget Alexander, JSI, mentioned the FCC Open Commission meeting NPRMs regarding Slamming and Cramming.

**New Action Item 07112017-17 –** Bridget will provide an informational summary of the July open commission meeting NPRM’s.

**IP Transition effects on Number Portability – Phil Linse:**

* The ATIS Testbed Focus Group continues to work on test cases. Preliminary testing is underway on some use cases. The Testbed Focus Group Tracking Sheet is updated on each call.

**Action Items Not Previously Discussed in the Agenda:**

None discussed

**Unfinished/New Business:**

No New Business was raised.

**WEDNESDAY July 12, 2017**

**Attendance**

| **Name** | **Company** | **Name** | **Company** | |
| --- | --- | --- | --- | --- |
| Lane Patterson | 10xpeople | Shanmugavel Krishnan | | iconectiv |
| Lisa Marie Maxson | 10xpeople (phone) | Steven Koch | | iconectiv |
| John Skousen | 10xpeople | Jerry James | | LNP Alliance |
| David Alread | AT&T | Lynette T. Khirallah | | NetNumber (phone) |
| Renee Dillon | AT&T | Anand Rathi | | Neustar |
| Teresa Patton | AT&T | Dave Garner | | Neustar (phone) |
| Mark Bilton-Smith | ATL | Gary Sacra | | Neustar |
| Anna Kafka | Bandwidth.com | Jim Rooks | | Neustar |
| Kevin Elkins | Bandwidth.com | Lavinia Rotaru | | Neustar |
| Lisa Jill Freeman | Bandwidth.com | Marcel Champagne | | Neustar |
| Sarah Delphey | Bandwidth.com | Michael O’Connor | | Neustar |
| Connie Stufflebeem | BKD, LLP (phone) | Mubeen Saifullah | | Neustar |
| Doug Litten | BVU Authority | Steve Addicks | | Neustar |
| Joy McConnell-Couch | CenturyLink | Shannon Sevigny | | Neustar Pooling (phone) |
| Betty Sanders | Charter (phone) | Mary Retka | | SOMOS |
| Glenn Clepper | Charter | Hollie Carrender | | Sprint |
| Kathy Troughton | Charter (phone) | Suzanne Addington | | Sprint |
| Randee Ryan | Comcast | Darren Post | | Synchronoss Technologies |
| Wendy Rutherford | GVNW (phone) | Jeanne Kulesa | | Synchronoss Technologies |
| Cathy McMahon | iconectiv | Bob Bruce | | Syniverse (phone) |
| Dave Gorton | iconectiv | Luke Sessions | | T-Mobile |
| Doug Babcock | iconectiv | Paula Campagnoli | | T-Mobile |
| George Tsacnaris | iconectiv | Bill Reilly | | TOM |
| Joel Zamlong | iconectiv | Greg Chiasson | | TOM |
| John Malyar | iconectiv | Deb Tucker | | Verizon Wireless |
| Michael Doherty | iconectiv | Kathy Rogers | | Verizon Wireless |
| Pat White | iconectiv |  | |  |
| Paul Mazouat | iconectiv |  | |  |

* Paul Mazouat, iconectiv, addressed his action item from the previously day to clarify iconectiv's Vendor NDA and whether local system vendors will be able to bring in certification testing issues into the LNPA WG for discussion and resolution. He stated that the vendor test results are iconectiv’s confidential information per the NDA, but to facilitate discussion, iconectiv will share test results, but will not identify vendors. He said if a vendor wants to identify themselves, they can.
* iconectiv will bring testing issues into the discussion via the PIM process, but will not identify vendors. Vendors can self-identify themselves but cannot bring in issues.
* Different perspectives on the issues can be discussed as part of the issue.
* Paul Mazouat took an action item to provide the clarified interpretation to the Tri-Chairs.
* **New Action Item 07112017-04 -** iconectiv took an action item to provide clarified interpretation to the Tri-Chairs regarding how testing issues may be introduced at the LNPA WG and APT meetings. COMPLETED DURING THE MEETING.
* iconectiv will provide items to the Industry in support of all parties given it is iconectiv confidential information.
* Joel Zamlong, iconectiv, stated that any issues that iconectiv does not bring into the LNPA WG need to be discussed offline first.
* The LNPA WG then reviewed the updated NANC Change Orders 493 through 498.
* iconectiv requested that NANCs 461, 493, 494, 496, and 497 be submitted to the NAPM LLC for an SOW request. iconectiv stated that they are ok if NANC 495 is implemented as Doc Only.
* iconectiv introduced the attached NANC 499.



These Change Orders will be further reviewed on the July 27, 2017, and August 9, 2017 calls.

**Discussion of Need for August 9, 2017 LNPA WG Call:**

A call will be held on August 9, 2017. The APT will meet first beginning at 10:00AM Eastern and the LNPA WG will begin immediately following.

**July 2017 Meeting Adjourned:**

Having completed the agenda for the July 11-12, 2017, LNPA Working Group meeting, the meeting was adjourned. The remaining time allotted for meeting on July 12, 2017 was used by the Architecture Planning Team (APT) to continue review of transition test cases.

**2017 LNPA Working Group Meeting Schedule:**

January 10-11, 2017 – iconectiv – Scottsdale, AZ

February 8, 2017 - call

March 7-8, 2017 - Comcast – Denver, CO

April 5, 2017 - call

May 2-3, 2017 – Neustar – Miami, FL

June 7, 2017 - call

July 11-12, 2017 – Bandwidth – Durham, NC

August 9, 2017 - call

September 12-13, 2017 – CenturyLink – Denver, CO

October 4, 2017 - call

November 7-8, 2017 – Charter – Tampa

December 6, 2017 - call

***Next Conference Call … August 9, 2017***

***Next Meeting … September 12-13, 2017: Location Denver, CO…Hosted by CenturyLink***