LNPA Transition Oversight Sub-Committee

April 24, 2018 Meeting

Final Meeting Notes

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| **Overland Park, KS** | **Host: Sprint** |

**TUESDAY April 24, 2018**

**Attendance**

| **Name** | **Company** | **Name** | **Company** | |
| --- | --- | --- | --- | --- |
| Lisa Marie Maxson | 10xpeople (phone) | Amber Goulet | Metronet (phone) |
| Kim Isaacs | Allstream (phone) | Bonnie Johnson | Minnesota DOC (phone) |
| Deborah Anstead | Altice (phone) | Lynette Khirallah | NetNumber |
| David Alread | AT&T | Anand Rathi | Neustar |
| Renee Dillon | AT&T | Dave Garner | Neustar (phone) |
| Teresa Patton | AT&T | Ed Barker | Neustar (phone) |
| Kyle Belcher | ATL | Gary Sacra | Neustar (phone) |
| Anna Kafka | Bandwidth | Jim Rooks | Neustar |
| Lisa Jill Freeman | Bandwidth | John Nakamura | Neustar (phone) |
| Rob Brezina | Bandwidth | Lavinia Rotaru | Neustar |
| Connie Stufflebeem | BKD (phone) | Mubeen Saifullah | Neustar |
| Nancy Cornwell | Cellcom (phone) | Pamela Connell | Neustar (phone) |
| Joy McConnell-Couch | CenturyLink | Shannon Sevigny | Neustar Pooling (phone) |
| Glenn Clepper | Charter (phone) | Towanda Russell | RCN (phone) |
| Erik Chuss | ChaseTech Consulting (phone) | Mary Retka | SOMOS |
| Randee Ryan | Comcast | Hollie Carrender | Sprint |
| Sheri Pressler | Frontier Com (phone) | Karen Riepenkroger | Sprint (phone) |
| Wendy Rutherford | GVNW (phone) | Shauna Forshee | Sprint |
| Cathy McMahon | iconectiv | Suzanne Addington | Sprint |
| Dave Gorton | iconectiv (phone) | Jeanne Kulesa | Synchronoss (phone) |
| Doug Babcock | iconectiv | Luke Sessions | T-Mobile |
| George Tsacnaris | iconectiv | Rosemary Leist | T-Mobile |
| Joel Zamlong | iconectiv | Bill Reilly | TOM |
| John Malyar | iconectiv | Greg Chiasson | TOM |
| Ken Havens | iconectiv (phone) | Jonathan Turner | TOM (phone) |
| Lily Dhillon | iconectiv | Kevin Batista | TOM (phone) |
| Michael Doherty | iconectiv | Amanda Molina | Townes Telecom (phone) |
| Pat White | iconectiv | Tanya Golub | US Cellular (phone) |
| Paul Mazouat | iconectiv (phone) | Bale Pathman | Verizon Wireless (phone) |
| Carolee Hall | Idaho PUC (phone) | Deb Tucker | Verizon Wireless |
| Bridget Alexander White | JSI | Kathy Rogers | Verizon Wireless |
| Jerry James | LNP Alliance (phone) | Jason Lee | Verizon (phone) |

**LNPA TRANSITION OVERSIGHT SUBCOMMITTEE 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 Transition Oversight Subcommittee

LNPA TOSC

Approved Chair Deborah 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 |  |
| 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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**Introductions and LNPA WG Agenda Review**

**Transition Related Items**

**Transition Cutover Plan Preparation for May 6 and May 20**

Dave Gorton, iconectiv, walked the participants through the attached presentation distributed 4/23/2018.



Some lessons learned during the 4/8/18 cutover were included in the document and discussion related to the upcoming cutover followed.

Clarifying questions regarding the connectivity window were raised and discussed.

Use of an iconectiv tool to aid with connectivity created some issues for some providers on 4/8 and it did not work for Neustar. iconectiv explained that the tool will be enhanced so that it will work better for the next cutover. It is an optional tool and it will be used where possible.

NPAC deferred disconnects were sent through to the LSMSs right away and participants asked if those could be held off for some time. Once the LSMSs first come up, disconnect pendings for that day will be broadcast out to the LSMSs and it will be helpful if providers can avoid sending pending disconnects to be effective the day of cutover.

10X asked to have more expertise available and more communication from iconectiv throughout the cutover to keep providers informed of status throughout the cutover window.

Neustar cautioned that it may take three times as long to get through everything if connections are done serially. iconectiv explained that the plan is to turn up all three regions for a given SPID together.

Dave urged providers to do what they can to clean up items as much as possible.

**Go-Live Release Notes and Service Restrictions (updates)**

John Malyar presented updates to the Service Restrictions.

It was noted that registered users might obtain copies of the Service Restrictions documents on the numberportability.com portal.

Items included in the Service Restrictions are classified into the following categories:

* Transition
* Functionality
* CMIP Messaging
* LTI Usability
* NANC/LNPA TOSC PIMs – Active PIMs

Information for each restriction includes:

* Identifier for tracking (PIM #, Incident #, Internal Tracking #)
* Item description
* Observation
* Action/workaround

None of the items referenced during the meeting were assigned a crtitical or high severity as defined in the Master Services Agreement nor will any items prevent the execution of porting use cases required by the industry.

The document is reissued every Wednesday with updates to the Knowledge Base/Transition area of the Customer Portal.

Updates include additions of new Service Restrictions and removal of existing Service Restrictions appear as strikethroughs.

**Functionality** items reviewed included the following:

* Removal of the constraint related to disabling MUMP submissions via the LTI Portal forcing LTI users to go through the Help Desk only
* Removal of the restriction to limit NPAC audits during the first 24 – 48 hours after the transition
* Pseudo LRN SVs/Blocks in BDD files – files may contain additional unexpected pseudo LRN SVs or Blocks
* BDD files contain an extra line feed – Service Providers were encouraged to let iconectiv know if editing the BDD file to remove the extra line feed is problematic for them. iconectiv was asked if they could remove the extra line feed before the files are downloaded.
* Audit of PTO SVs that are in a partial failure status does not clear the failed SP list – LSMSs can recover and clear these and resyncs will clear them, too.
* Removal of the restriction related to: Immediate Disconnect MUMP Jobs do not send AVC notifications to an XML SOA – the iconectiv system will accept effective release dates in the past. For this item, the behavior is that the disconnect will be treated like a pending disconnect with an immediate disconnect.
* Housekeeping resends of partially failed Number Pool Blocks that contain Pseudo LRNs are not being sent to the LSMSs so audits or manual resends are needed
* Unconstrained report generation could create performance impacts
* DPC/SSN validations are not working properly for mechanized users so users should ensure that DPCs and SSNs are properly populated
* Non-existent secondary SPIDs do not fail validation so users should ensure that valid data is used for secondary SPIDs
* NOT filters for TN attribute on SV queries over XML interface may generate large query results – users are requested to refrain from using the NOT filter on TN attribute in SV queries over the XML interface to avoid long lasting query processing
* Final cancel acknowledgement timer expiration (new) status change at the NPAC, but the SV will stay in cancel-pending status longer than it should.
* Duplicate SV create downloads in XML batch message to LSMSs as a result of duplicate SV activate requests received from the SOA
* Issue in Status Attribute Value notification (SAVC)

Neustar asked for clarification on the mechanism used to set priorities on the various outstanding items noting that some of the items have a higher impact than others.

iconectiv explained that items with a good workaround have less of a priority. All are being reviewed from a breakage risk perspective. If items do not seem to be addressed as quickly as needed, iconectiv urged providers to contact their Help Desk. Neustar noted that the BDD issue is a problem for them and it does have a service impact.

**CMIP Messaging** items reviewed included the following:

* CMIP Request Bind Failure if the Bind request uses an IP Port number between 1 and 10 (system will automatically retry)
* CMIP query of an Associated SPID fails – the Help Desk can provide this data if needed

These CMIP items are from the testing process. Neustar mentioned that this could be a configuration issue that can be solved. iconectiv noted they will address this at some point, but it has a lower priority right now.

**LTI Usability** items reviewed included the following:

* LTI display of MUMP job details requires a double click
* Resetting data on Subscription Version Page isn’t reset when the button is clicked. Overtyping the values or closing and opening the portal will do the reset.
* Notification log query may time out based on the quantity of notifications in the default time frame (seven days). The default time range should be changed to less than 1 week and/or select a specific notification to query on this page.
* Subscription Version Page will show errors on Due Date/Time fields if the second provider to do an SV create doesn’t exactly match the first provider’s input
* Dashboard may have long loading times – click the retry button to load the Dashboard
* Querying Audits with Audit Names that contain an underscore character – use different search criteria on the LTI Audit window to find the audit

**NANC/LNPA TOSC** items reviewed included the following:

* PIM 109 – Hold/Replay situation for CMIP
* PIM 108 – Long duration Hold/Replay capability for XML local systems
* PIM TBD (now PIM 110) – Implicit NPAC SMS Requirements
  + XML requests contain Origination Timestamp later than Departure Timestamp
  + SV Create Broadcasts resulting in Duplicate Managed Object replies from LSMS
  + SV Delete Broadcasts resulting in No Such Object replies from LSMS

A new Service Restrictions document will come out every Wednesday evening/Thursday morning.

Concerns were raised about the possibility of not finding out about an issue for up to a full week and requests were made for iconectiv to provide notice of issues as soon as possible. Neustar and iconectiv discussed situations that could arise and what might be the best way to communicate potential issues. iconectiv will see what they can do to get information out more quickly. Service impacting items will be those that could be shared sooner.

**Documents available on the iconectiv User Portal**

iconectiv provided an explanation of documents that are now available on the iconectiv User Portal.

* A list of all the Service Provider IDs (SPIDs) defined in the Southeast Region that have not Onboarded to the iconectiv NPAC and have indicated specifically to iconectiv they do not plan to do so.
* A list of all the SPIDs that have started, but not completed, Onboarding to the iconectiv NPAC in the Southeast Region.
* The Service Provider Timer Report

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**WDNC and treatment of VOIP Blocks**

The methodology used to generate WDNC files is different between the incumbent and new NPAC vendors because of the way VOIP blocks are treated at a block level.

A brief discussion took place to determine if anyone participating in the LNPA TOSC could provide input into the process. The participants could not provide any feedback on what the policy is from a TCPA perspective to drive the issue. Neustar mentioned that a few years ago the group had discussed making the SV Type field in the NPAC required for VOIP and we talked about creating a VOIP Intermodal Ported list for providers but there were a lot of “what ifs” in the discussion about how to get the field populated, creating lists, et cetera.

iconectiv has taken the position to leave things as they are right now as there didn’t seem to be interest in taking this further.

**PIMs and Change Order Discussion and Approvals**

**Change Orders**

Michael Doherty went through the updates in the Change Order Summary document that was distributed.

The “Proposed Resolution” heading will be changed to “Notes”. John Nakamura suggested adding somewhere in there a reference to the PIM number.



**PIMs –**

Having discussed PIMs and Change Orders during the APT portion of the meeting, no additional detailed discussion of prior PIMs and Change Orders was necessary.

Regarding PIM 106 – BDD File SSN Field, iconectiv will develop a Change Order for the single zero in the BDD file.

**Action Item 04242018-01:** iconectiv to develop Change Order 522 for the single zero in the BDD file.

PIM 110 – Implicit NPAC SMS Requirements assigned Change Order number 523 (CO 523).

A new PIM was introduced to address the handling of zero byte SMURF files. The new PIM was accepted and assigned PIM 111. Neustar provides the files to everyone and iconectiv does not. Further discussion will help determine the most appropriate way to address the issue.

Service Providers and Vendors were given the following Action Item:

**Action Item 04242018-02:** Feedback request for Service Providers and Vendors to determine what if any impact there will be if empty files are not received for LRN and –X SPID Migration files. Also, is there value in receiving the files even though the file is empty? Should the LRN and –X be there, even if blank?

A new PIM TBD regarding recovery and rollup (and abort timer) was discussed this morning at the APT session. iconectiv will add elements to the document based on feedback from Neustar and 10X. Both portions will be placed into the document for this group to have a lengthy discussion about it. Assigned PIM #112

Jim Rooks, Neustar, mentioned that an SV in sending is not impacted by recovery – it is waiting for recovery to be done. If an SV is in sending, it is not transmitted to the provider until they come out of recovery. The different parts of the requirements will be included in the document so we can discuss it and determine appropriate treatment. This new TBD PIM will come out soon. A

Renee Dillon, ATT, asked to have a state diagram to go along with the documentation for the PIM.

**Inter-carrier Subcommittee status – R. Dillon**

The Intercarrier Testing Sub Committee (ITSC) held meetings every Friday through March 30th with an agenda that includes a status from iconectiv NPAC Test support, a TOM Summary of Group & Round Robin Test Planning and Execution Summary, and open discussion from Service Providers, Service Bureaus, and Iconectiv NPAC Test support.

The iconectiv Industry NPAC Test Environment currently has Release B and all remaining patches.  Iconectiv NPAC Test support completed several group test cases (e.g. Round Robin and SPID Migrations).

Michael Doherty from iconectiv discussed change management activities to incorporate the rework of the Partner, Group, and Round Robin Test Cases into the Industry documents during the March LNP TOSC

The TOM has recorded the following via its survey;

123 Test SPIDs Logged

•118 connected to testbed one; 5 pending connection

•19 organizations

•54 CMIP, 69 XML

•66 wireline, 38 non-carrier, 18 wireless, 1 TBD

•All test cases have been executed at least ~~once~~ twice and 30 test cases have been executed at least six times with P1A aka ‘Port TN’ performed 15 times (i.e. 15 different partners)

•16 SPID pairs have reported test results

Several topics of discussion over the month of March include;

•Automated and/or configured behavior by local systems has prevented/altered specific steps in some Test Cases to be executed as written, resulting in modified execution (Additional notes incorporated into Test Plan)

•Test environment and data setup prereqs have caused confusion, inaccurate test executions, and delay by some Service Providers. Service Providers that use Service Bureaus should work with both iconectiv NPAC and their supporting Service Bureau to confirm their environment and data are appropriately set up

•Recommendations for changes to the Test cases have been included into the ITSC Test plan based on Service Provider Partner execution

•Service Providers should feel free to continue to take advantage of the Industry NPAC Test Environment as needed

•Last ITSC scheduled meeting was held on March 30 with recommendation to suspend further ITSC meetings and await request/direction from the TOC

With the successful transition of the NPAC Southeast Region, the focus on Industry Service Provider Testing has lessened and the need for continued ITSC meetings has come to closure. Anna Kafka and I would like to give thanks for the very active support on the part of Service Providers in the execution of the Intercarrier Test Plan.

No objections to the ITSC going dormant.

**March 6 - 7, 2018 Draft LNPA WG Meeting Notes Review:**

The March 6 - 7, 2018, LNPA TOSC DRAFT notes were reviewed and approved. The notes were issued as FINAL.

**March 19, 2018 Draft LNPA WG Conference Call Notes Review:**

The March 19, 2018, LNPA TOSC DRAFT notes were reviewed and approved. The notes were issued as FINAL.

**April 4, 2018 Draft LNPA WG Conference Call Notes Review:**

The April 4, 2018, LNPA TOSC DRAFT notes were reviewed and approved. The notes 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 was scheduled to meet March 9th, 2018 but rescheduled to April 13th 2018.

**Discussion -** It was noted that PTSC and the NANC NNP WG have been meeting on the topic of Nationwide Number Portability (NNP). There is no action for OBF WSO unless or until a recommendation is made.

New Co-Chairs were elected for two year terms beginning in February 2018.

Andy Fitzsimmons (Ericsson) – OBF OS Co-Chair

Deb Tucker (Verizon Wireless) – OBF WSO Co-Chair

It was noted that there is no need for OBF WSO to meet during the AMOC 2018 meeting in Kansas City, MO.

The next meeting is scheduled for August 15, 2018

**LOCAL SERVICE ORDERING SUBCOMMITTEE**

The Local Service Order Subcommittee meeting on March15, 2018 was cancelled. The committee met April 19th, 2018

**New Issues**

No new Issues

**Current Issues**

**Issue 3568,** LSOG: Modify Local Response to individual Notice by response type  
Issue 3568 was originally tabled as a low priority Issue. The contributor will update status at the next OBF LSO meeting.

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

Issue 3595 work will continue with contributions submitted before the next OBF LSO meeting.

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

Issue 3597 will be withdrawn. The issue can be resubmitted in the future if there is an interest.

**Other Discussions**

The target date for the next LSOG release was changed to August 1, 2018. (3Q18 – previous 2Q14)

**Next Meetings:**

LSO will meet

* May 18 2018 11:00 am ET – 12:00 pm ET
* June 21, 2018 11:00 am ET – 3:00 pm ET
* August 15, 2018 200 pm ET – 3:00 pm ET

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

**INC Issue 850: Documents Need to be Updated to Show Current NPAC Website**

Issue Statement: The NPAC website was officially transitioned to iconectiv on 9-29-17. Current documentation and processes may have old URL for NPAC website. Documents need to be updated to show current NPAC website.

During the January INC meeting, the January 3, 2018 email received by Jackie Wohlgemuth, ATIS Manager, Global Standards Development, from the Change Management Administrator (CMA), requesting that a notification be sent to all ATIS Groups requesting that they review and update any documents, processes and websites that they maintain, with the link to the new NPAC, was reviewed and discussed. At that meeting it was agreed that changes to the INC documents are needed and an INC Issue needs to be submitted to address this request.

During the March INC meeting, the new Issue titled “Documents Need to be Updated to Show Current NPAC Website” was reviewed and accepted as INC Issue 850. Various INC documents were reviewed and changes to reflect the new NPAC URL were made. It was noted that the NPAC.com/secure website was replaced by the new website login page (<https://portal.numberportability.com/login>) and the regular NPAC.com URL was replaced with [www.numberportability.com](http://www.numberportability.com).

INC agreed to make updates in the following documents to reflect the updated URL for the NPAC website:

* Thousands-Block Number (NXX-X) Pooling Administration Guidelines (TBPAG),
* Central Office Code (NXX) Assignment Guidelines (COCAG),
* NPA Code Relief Planning and Notification Guidelines,
* Guidelines For The Administration Of Telephone Numbers,
* Location Routing Number (LRN) Assignment Practices.

These documents are currently scheduled to be updated with the agreed to changes and posted to the INC website on April 20, 2018.

**Action Item Review**

**09122017-05:** Change Order 504 modifications to address PIM 102

This item will be kept **open** to be addressed after testing completes.

**01092018-01:** Deb Tucker to discuss with the FCC DFO requirements regarding proper reference of this NANC Sub-Committee and to see if use of “LNPA WG” may continue. This remains **open**.

**01092018-02:** Participants to consider potential updates or changes desired on the iconectiv NPAC website. This item was **closed** during the meeting.

**03062018-01:** iconectiv to develop a new PIM to address SPID assignment and naming within the FRS. **Leave open** for post FAD work

**03062018-02:** PEs to determine if failover testing for DR should be a required certification test**. Still open for post FAD**

**03062018-03:** PEs to determine if timers should be a required Group/Round Robin test**. Still open for post FAD**

**03062018-04:** iconectiv to determine if the GDMO updates require a re-compile. **Still open** – have by June meeting

**03062018-05:** SPs and Vendors to look at the impact to their systems for having two different versions of the MUMP forms and the impact on local system or provider’s automated processes. Determine if processes have already changed and what additional impacts might there be to having a different form.  **Closed** during the 3/19/18 meeting.

**03062018-06:** SPs and Vendors to determine impact assessment of this situation and the impact of not having Hold/Replay available for CMIP systems. **Closed** during the 3/19/18 meeting.

**03062018-07:** iconectiv to explain how inbound processes are being handled while a system is on hold and to provide the behavior of inbound messages in general. **Closed** – explanation included in PIM 108.

**04042018-01:** iconectiv to develop a Change Order to accompany PIM 110. **Closed** 4/24/18

**Unfinished/New Business:**

New Business from Bandwidth – during submission of MUMP in the SE Region via the form, the Alt SPID field isn’t working for them. It is returning a format error with some coding correction in the background that needs to be adjusted. The GUI has a way to validate the information, but the form prevents it.

iconectiv does have a ticket opened for this and a service restriction should be added.

Incident 32139 is listed as an LTI issue and this is related to it.

**2018 Meeting Schedule:**

January 9-10, 2018 - F2F – San Diego, CA hosted by iconectiv

February 14, 2018 – call 10 Eastern

March 6-7, 2018 - F2F – Durham, NC hosted by Bandwidth

April 4, 2018 – call 10 Eastern

April 24-25, 2018 F2F – Overland Park, KS hosted by Sprint

May 9, 2018 – call

June 5-6, 2018 – F2F – Jacksonville, FL hosted by Neustar

Additional dates are tentative and preliminary subject to Commission Staff guidance.

CenturyLink can host in July or September in Denver if needed.

July 10-11, 2018 – F2F

August 8, 2018 – call (if needed)

September 11-12, 2018 – F2F

October 10, 2018 – call (if needed)

November 6-7, 2018 – F2F

December 5, 2018 – call (if needed)

**April 2018 Meeting Adjourned:**

Having completed the agenda for the April 24, 2018, LNPA Transition Oversight Sub-Committee meeting the meeting was adjourned.

***Next Full Meeting … June 5-6, 2018: Location Jacksonville, FL…Hosted by Neustar***