LNPA Transition Oversight Sub-Committee

June 5-6, 2018 Meeting

Final Meeting Notes

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| --- | --- |
| **Jacksonville, FL** | **Host: Neustar** |

**Tuesday/Wednesday June 5-6, 2018**

**Attendance**

|  | **Company** | **Name** | **Company** |
| --- | --- | --- | --- |
| John Skousen | 10xpeople | Michael Doherty | iconectiv |
| Lane Patterson | 10xpeople | Michael Nolan | iconectiv |
| Lisa Marie Maxson | 10xpeople (phone) | Pat White | iconectiv |
| David Alread | AT&T | Steve Koch | iconectiv |
| Renee Dillon | AT&T | Carolee Hall | Idaho PUC (phone) |
| Teresa Patton | AT&T | Bridget Alexander White | JSI (phone) |
| Anna Kafka | Bandwidth | Bonnie Johnson | Minnesota DOC (phone) |
| Lisa Jill Freeman | Bandwidth | Lynette Khirallah | NetNumber (phone) |
| Rob Brezina | Bandwidth | Anand Rathi | Neustar |
| Nancy Cornwell | Cellcom (phone) | John Denemark | Neustar |
| Joy McConnell-Couch | CenturyLink | Lavinia Rotaru | Neustar |
| Glenn Clepper | Charter | Shannon Sevigny | Neustar Pooling (phone) |
| Kathy Troughton | Charter | Mary Retka | SOMOS |
| Erik Chuss | ChaseTech (phone) | Hollie Carrender | Sprint |
| Randee Ryan | Comcast (phone) | Shauna Forshee | Sprint |
| Sheri Pressler | Frontier Com (phone) | Suzanne Addington | Sprint |
| Wendy Rutherford | GVNW (phone) | Jeanne Kulesa | Synchronoss |
| Cathy McMahon | iconectiv | Luke Sessions | T-Mobile |
| Dave Gorton | iconectiv (phone) | Amanda Molina | Townes Telecom (phone) |
| Deborah Lasher | iconectiv (phone) | Tanya Golub | US Cellular (phone) |
| Doug Babcock | iconectiv | Bale Pathman | Verizon Wireless |
| George Tsacnaris | iconectiv | Deb Tucker | Verizon Wireless |
| Joel Zamlong | iconectiv | Kathy Rogers | Verizon Wireless |
| John Malyar | iconectiv | Jason Lee | Verizon (phone) |
| Ken Havens | iconectiv (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 |
|  |  |  |
|  |  |  |

**April 24, 2018 Draft LNPA TOSC Meeting Notes Review:**

The April 24, 2018, LNPA TOSC DRAFT notes were reviewed and approved. The notes were issued as FINAL.

**May 9, 2018 Draft LNPA TOSC Conference Call Notes Review:**

The May 9, 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 did not meet since the last TOSC meeting.

The next meeting is scheduled for August 15, 2018

**LOCAL SERVICE ORDERING SUBCOMMITTEE**

The Local Service Order Subcommittee met May 18th, 2018.

**New Issues**

No new Issues

**Current Issues**

**Issue 3568,** LSOG: Modify Local Response to individual Notice by response type

Issue 3568 will be withdrawn.

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

Reviewed and approved DU form.

**Other Discussions**

**Next Meetings:**

LSO will meet

* + 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)**

**INC Issue 855: Update NPAC Help Desk info in Industry docs such as TBPAG and NPA Code Relief**

Issue Statement: The NPAC is in transition from the existing LNPA (Neustar) to the new LNPA (iconectiv). Several industry documents have references to old NPAC information that require updating.

Suggested Solution: Change the text in the Industry documents to accurately reflect the new NPAC information

During the May INC meeting, the new Issue was reviewed and accepted as INC Issue 855. Two contributions were submitted for the INC to consider. The first contribution provided updates to the TBPAG (Thousands-Block Number Pooling Administration Guidelines) document to properly identify the Help Desk information for the new NPAC and the second contribution proposed modifications for the NPA Code Relief Planning and Notification Guidelines document.

INC agreed to modify the NPA Code Relief Planning Guidelines and the TBPAG to include the updated NPAC Help Desk contact information and URL to read “ ---- the NPAC Help Desk (see https://www.numberportability.com/resources/contact-iconectiv/ or call 844-820-8039). ---- “

These documents are currently scheduled to be updated with the agreed to changes and posted to the INC website on June 8, 2018.

**Action Item Status/Updates**

**NEW ACTION ITEMS OPENED DURING THE APRIL and MAY, 2018 LNPA TOSC and APT MEETINGs:**

* **04242018-01**: iconectiv to develop change order 522 for the single zero in the BDD file (PIM 106). **Completed during June ’18 meeting. Close 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? **There are no concerns with producing the blank files. Close Action Item**
* **05092018-01:** Service Providers to provide feedback on expectations related to multiple SVs for the same TN appearing in the SV BDD file. **Keep open**
* **05092018-02**: iconectiv to update SR00041 to ensure it incorporates all previous concerns. **Close Action Item**
* **05092018-03**: iconectiv to determine how long the Service Restrictions document will be maintained for distribution. **iconectiv will continue to maintain the document until the full Service Restrictions list is completed. Close Action Item**

# ACTION ITEMS REMAINING OPEN FROM PREVIOUS LNPA WG MEETINGS:

* **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 item remains open. **No direction from FCC yet**
* **03062018-01:** iconectiv to develop a new PIM to address SPID assignment and naming within the FRS. **Began developing PIM and to be discussed during the July LNPA TOSC meeting.**
* **03062018-02:** PEs to determine if failover testing for DR should be a required certification test**. PEs still working on Action Item**
* **03062018-03:** PEs to determine if timers should be a required Group/Round Robin test**. Timers may need to be optional depending on the Service Providers’ abilities. Review timer based test cases when Group/RR Test Cases are added to the test plan. NANC 521 – CMA**

**Close Action Item**

**New Action Item 06052018-01: Review timer based test cases when Group/RR Test Cases are added to the test plan (NANC 521). iconectiv will address this as part of NANC 521**

* **03062018-04:** iconectiv to determine if the GDMO updates require a re-compile.

**Behavior changes will be documented as future on the website. ASN.1 changes will be scheduled in the future with the industry and will require a recompile. Close Action Item**

* **09122017-05:** Change Order 504 modifications to address PIM 102. This item requires more discussion and should be brought up in future meetings. iconectiv suggested that since it might implicate changes to local systems, it should be deferred until after the transition but that iconectiv would support whenever the industry wanted to discuss iconectiv’s recommended two approaches. This item will be kept open to be addressed after testing completes.

**There was one local system that was impacted and they agreed to make changes in the interim. Discussion is postponed until after we cover Hold & Replay issues.**

**New Action Item 06052018-02: Regarding Change Order 504 modifications; iconectiv to provide verbiage for the Chairperson to add to the meeting agenda regarding this PIM to describe what needs to be discussed.**

* **08222017-01:** iconectiv will complete FRS documentation updates for NANC 495 and include this Change Order in future document updates. **Completed in 3.4.8f. Close Action Item**

**Transition Related Items**

**Overview**

Dave Gorton, iconectiv, provided the embedded WrapUP of the Transition.



**Service Restrictions (updates)**

John Malyar presented the current Service Restrictions document. Please see the NPAC Service Restrictions – 06052018\_TOSC Final.pptx document that was distributed to the group on June 5, 2018.

**General Discussion – questions to iconectiv after Service Restrictions presentation**

* K. Rogers (Verizon) What is the expectation of when a code will be made available after a Service Provider is told they are now the code holder?
  + S. Koch – clarified current procedure is 24 hours if it’s an expedite. For processing of new codes assigned, the Help Desk can be contacted to request accelerated processing outside the normal intervals.
  + iconectiv - to take it back and provide a written response with timeframes & details. 2-3 weeks to provide the response.

**New Action Item 06052018-03: iconectiv to provide additional detail with timeframes on the iconectiv process for adding new codes to the NPAC.**

* + Could result in the opening of a PIM.
* G. Tsacnaris – iconectiv is starting a cleanup of the SPID list of companies that were not onboarded. Some companies are no longer in existence but have pending ports that are way out in the future. Discussions are needed with this group to determine the best way to clean these up.

**New Action Item 06052018-04: iconectiv to provide a PIM with a recommendation/plan on how to proceed with cleanup of lingering data in the NPAC associated with SPIDs that were not onboarded.**

**Document Versioning – J. Malyar**

Recommendation is to go to a 4.1 document naming convention (see embedded presentation). No objections were raised.



**Change Control – Change Management Administrator**

**Change Orders**

**Change Order Summary – M. Doherty**

* During discussion of updates to the Implemented CO Summary document, due to its size and the timing of the NPAC transition, it was agreed to split it into two documents. One will be Pre-FAD and One Post FAD.
  + Release 3.4.8f will be included in both documents and become the baseline for the new 4.1 Release Implemented CO Summary as new iconectiv implementation

**New Action Item 06052018-05: iconectiv to split the Implemented Change Order Summary document into two parts. Part 1 will end with Release 3.4.8f and Part 2 will begin with Release 3.4.8f and go to the new items implemented with the 4.1 Release.**

* Use one NPAC format on CO Summary going forward. Remove Neustar NPAC from CO Summary.
* Reached concurrence on process to leave Implemented COs in the Summary document for one cycle then move to Implemented CO document.
* Also reached concurrence to utilize ‘Requested’ status in CO Summary and on Website for NANC COs such as 522 – BDD File SSN, 523 – Implicit NPAC SMS Requirements & NANC 526 – SIC SMURF File Production.
* Adjust certain COs in Summary to show Requested
* Draft definition of ‘Requested’ status to replace current definition located in CO Summary and on NPAC Website.
  + Requested – An accepted Change Order that the Industry consensus is developed sufficiently enough that it can be a candidate for an SOW request or a future Doc Only update.

**PIMS & Change Orders**

* PIM 106 – BDD File SSN Field (Leading zeros) – assigned CO 522
  + NANC 522 has been accepted. It has not been implemented (requires code change and document updates). Now that Transition is over, this CO would go into priority discussion.
  + Status of this CO will be Requested

* + 
* PIM 107 – MUMP File Layouts
  + New version of this PIM was reviewed.
  + Near term resolution is to create a Doc Only CO for this PIM to reflect current implementation (correct current documentation RR3-780 in FRS) - NANC 524
  + Longer term resolution is to create a Doc Only CO to provide more detail on MUMP files and file format in Appendices of the FRS (similar to BDD/SMURF files). NANC 525

* + 

**New Action Item 06052018-06: iconectiv to create Doc Only CO NANC 524 to correct requirement RR3-780 in the FRS to reflect the current implementation.**

**New Action Item 06052018-07: iconectiv to create Doc Only CO NANC 525 to provide additional detail on MUMP files and file format in the Appendices of the FRS. This will be similar to the detail provided for BDD and SMURF files.**

* PIM 110 – Implicit NPAC SMS Requirements
  + NANC 523 discussed and accepted.
  + This has been implemented and is now a Doc Only CO
  + Status of this CO will be Requested

* + 
* PIM 111 – SIC SMURF Production
  + Reviewed NANC TBD – SIC SMURF Production.
  + Assigned NANC 526.
  + CO was accepted
  + Status of this CO will be Requested



* PIM 113 - Modify SV No AVC
  + NANC TBD - Modify SV AVC Notification – was discussed and accepted
  + Assigned NANC 527
  + SPs impacted by the issue should verify that the changes documented will meet their needs.

**New Action Item 06052018-08: Service Providers and Local Vendors impacted by the Modify SV No AVC Notification issue are to review the changes in the Change Order requirements and verify that the requirements are correct.**



* + Status of this CO is Open
* PIM 114 – Multiple SVs for same TN - Full SV BDD
  + This would cause a problem for Synchronoss.
  + iconectiv agreed to monitor volume of how often this happens and provide a readout at July LNPA mtg.

**New Action Item 06052018-09: iconectiv to determine the frequency of multiple SVs appearing for a given TN in the full SV BDD file that are generated on a daily basis by monitoring for a week long period and to provide a readout at the July LNPA TOSC meeting.**

* + Subsequent to the meeting the following volume was provided by S. Koch:
  + Below are the results of the analysis, based on examining the content of the files for 7 days.
    - Average (mean) number of TNs that have more than one record in a single full SV BDD file:  9
    - Range of number of TNs that have more than one record in a single full SV BDD file:  0 to 49
    - Median number of TNs that have more than one record in a single full SV BDD file:  7
  + In terms of total quantity of SV records in the full SV BDD files, the files range from about 43.7 million to 69.8 million records, depending on region and SPID settings.
* PIM 115 – Audit with Activation Time Range
  + The Service Restrictions document had an item related to this issue that was removed because iconectiv corrected the issue. This resulted in removal of harmful side effects, but the audit isn’t working the way it was supposed to.
  + Do SPs need and do vendors support audits using activation time range. If industry needs this, what needs to be added to test cases to get certification testing done for this.
  + If not needed it could just be removed to avoid confusion.

**New Action Item 06052018-10: Service Providers to verify their usage/need for processing audits based on activation time range and if their vendors will support it.**



* PIM TBD – Pending SV Retention
  + Not accepted. The Service Provider that raised the issue is not in attendance.

**New Action Item 06052018-11: iconectiv to contact the Service Provider that raised the issue regarding Pending SV Retention and iconectiv’s housekeeping rules for cancelation of pending ports to request that they attend the next LNPA TOSC meeting to discuss the issue in more depth.**

* + Leave on Agenda



* NANC 481 – GDMO – Behavior Doc Only Clarification
  + Provided response to Neustar questions.
  + Made changes to Change Order & GDMO.
  + No Objections to changes so iconectiv will post to website
  + Status of this Change Order will be Implemented
* Operations Discussion – Hold/Replay & Recovery/Rollup PIMS (PIMS 108, 109 & 112)

J. Malyar provided background material on Broadcast Behavior, Recovery, and iconectiv’s implementation of Hold/Replay (see embedded presentation). He framed concerns around operations expectations and requirements issues. Discussion among industry participants ensued.



* + J. Lee – How are partial fails rectified?
  + J. Malyar – Resends are done nightly through housekeeping. Recovery also cleans up LSMS failed list.
  + S. Koch - The long period of time for recovery is 24 hours (the upper limit). After that, the NPAC would look to use a BDD to synchronize.
  + R. Dillon – Is there any instance where an XML system would need to go thru recovery?
  + L. Marie – Thought the issue was framed well. It’s just a matter of how we want it implemented going forward.
  + R. Dillon – There are LSMSs that are having issues and those that aren’t. It is important to know when an LSMS is having operational issues. The duration of time that we allow an LSMS to be in a partial failed state is problematic. How do we go forward and keep it up to date and in sync. There are some regulatory reporting requirements from some PUCs.
  + H. Sheppard – One of the most important aspects is communication and notification that this is happening.
  + L. Marie – Is anyone using the CMIP Hold? Because it can recover.
  + **New Action Item 06052018-12: Service Providers and Local Vendors to provide feedback at the July LNPA TOSC meeting on the use of Hold/Replay for CMIP (PIM 109)**



* + L. Patterson – 10X. - There must be a way to do an XML Hold. The longer the better.
    - Driver for having this for a long period of time was they got in the habit with the previous vendor. They now have to deal with BDD process rather than the smoother hold process.
    - S. Koch – Once SVs move to certain states you can’t go back. What happens if one of those SV fails?
  + R. Dillon – If your system is in this failed state are you handling call routing? The Hold feature was causing providers to troubleshoot call routing issues that didn’t really exist.
  + T. Patton – Is there a reason why we can’t use some other method of recovery, even if it doesn’t exist? Could we develop one?
  + S. Koch – There really is not time based recovery in XML unless you use queries.
  + How often would 10X use this extended hold? Occasionally it was rare when they needed a full BDD. There really haven’t been any situations since transition.
  + Are we also considering SOAs?
    - iconectiv is open to whatever the industry wants.
    - XML SOA – Is it OK to be on Hold for 24 hours? That’s a huge gap in requirements.
  + PIM 112 – is Roll up & Recovery.



* + L. Patterson – It is a bigger pain to get caught up using BDDs.
  + D. Tucker – Need a list of questions to take back to industry.

**New Action Item 06052018-13: iconectiv to provide additional information for the Hold/Replay Long Duration PIM - What does long duration mean? How long? What is longest duration needed?**

* + J. Malyar – Requirements need to be updated. Need to be sensitive to size of queues.
  + S. Koch – SOAs could go longer because the volume isn’t as large. The Real question is how long do they think they need to be down before using BDD to recover?
  + H. Sheppard - XML LSMS needs to be addressed first. Looking at a solution for maintenance activities only. Not addressing a down system scenario. What do we do about the call routing issue and impact to the customers? Any solution needs to address:
    - Communication
    - Timeframes
    - Alternatives for when system is flat out ‘down’
  + R. Dillon – If an XML LSMS wants to go on hold and calls NPAC, how do we handle that?
  + S. Koch – we take a delta BDD file and suspend roll up timers.
  + R. Dillon – in the past there was no delta BDD. Suggestion to use an online process rather than the BDD because BDD takes time.
  + Steps:
    - XML provider notifies NPAC that they want to be placed on extended hold.
    - NPAC notifies industry.
    - Are SPs willing to include that they are going on an extended hold in the notification to the industry?

**New Action Item 06052018-14: Service Providers, Local System Vendors and iconectiv to consider using notifications to the industry for an XML provider that wants to be placed on extended hold. Are Service Providers willing to notify the industry about the extended hold period?**

* + S. Koch – We could take that back for considerations.
  + J. Malyar – if the BDD is individual messages it may take a long time to recover.
  + R. Dillon - You fail it once – you are going to need a BDD for recovery
    - What happened in the local system when this happened in the past?
  + D. Tucker - Want to think about the implications of having an active record go into a partial fail.

**Unfinished/New Business:**

LJ Freeman (Bandwidth) requested updates to Best Practice 73 to remove references to “Disputed Port” flows and keep language consistent with “Unauthorized Port” flows. A pdf version will be provided for the website.

**New Action Item 06052018-15: iconectiv CMA to update Best Practice 73 to use consistent language throughout to reference unauthorized port flows.**

**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

July 10-11, 2018 – F2F – Denver, CO

August 8, 2018 – call 10 Eastern

September 11-12, 2018 – F2F TBD

October 10, 2018 – call 10 Eastern

November 6-7, 2018 – F2F TBD

December 5, 2018 – call (if needed)

**June 2018 Meeting Adjourned:**

Having completed the agenda for the June 5-6, 2018, LNPA Transition Oversight Sub-Committee meeting the meeting adjourned.

***Next Full Meeting … July 10-11, 2018: Location Denver, CO…Hosted by CenturyLink***