LNPA Transition Oversight Sub-Committee

November 6-7, 2018 Meeting

Final Meeting Notes

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| **Tampa, FL** | **Host: Syniverse** |

**Tuesday/Wednesday November 6-7, 2018**

**Attendance**

| **Name** | **Company** | **Name** | **Company** |
| --- | --- | --- | --- |
| Lisa Marie Maxson | 10xpeople (phone Tues) | John Malyar | iconectiv |
| David Alread | AT&T | Michael Doherty | iconectiv |
| Renee Dillon | AT&T | Pat White | iconectiv |
| Teresa Patton | AT&T | Steve Koch | iconectiv (phone) |
| Kyle Belcher | ATL | Carolee Hall | Idaho PUC (phone) |
| Anna Kafka | Bandwidth | Bridget Alexander-White | JSI (phone) |
| Lisa Jill Freeman | Bandwidth | Anand Rathi | Neustar (phone Tues only) |
| Rob Brezina | Bandwidth | Shannon Sevigny | Neustar Pooling (phone) |
| Connie Stufflebeem | BKD (phone) | David Kesselring | Oracle (phone Tues only) |
| Nancy Cornwell | Cellcom | Mary Retka | SOMOS (phone) |
| Joy McConnell-Couch | CenturyLink | Hollie Carrender | Sprint (phone) |
| Glenn Clepper | Charter | Jeanne Kulesa | Synchronoss |
| Kathy Troughton | Charter | Bob Bruce | Syniverse |
| Erik Chuss | ChaseTech (phone) | Rosemary Leist | T-Mobile |
| Randee Ryan | Comcast | Dave Lund | US Cellular (phone) |
| Wendy Rutherford | GVNW | Jason Lee | Verizon (phone) |
| Deborah Lasher | iconectiv (phone) | Bale Pathman | Verizon Wireless (phone) |
| Doug Babcock | iconectiv | Deb Tucker | Verizon Wireless |
| George Tsacnaris | iconectiv | Kathy Rogers | Verizon Wireless (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 | Hollie Carrender-Sheppard |  |
| T-Mobile | 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 |
|  |  |  |
|  |  |  |

**September 11-12, 2018 Draft LNPA TOSC Meeting Notes Review:**

The September 11-12, 2018, LNPA TOSC DRAFT notes were reviewed and approved. The notes were issued as FINAL.

**October 10, 2018 Draft LNPA TOSC Conference Call Notes Review:**

The October 10, 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 met October 31, 2018

The subcommittee discussed potential committee action on current industry work. It was noted that there is no committee action at this time.

The next meeting is scheduled for January 30, 2019 3-4 EST

**LOCAL SERVICE ORDERING SUBCOMMITTEE**

The Local Service Order Subcommittee met September 24th, 2018 and October 29, 2018.

The subcommittee continued work to update the UOM model and schemas for the LSOG 4Q18 Release.

A new issue was accepted to change the LSOG “Forms” from Visio to Excel.

**Next Meetings:**

LSO will meet:

* November 9, 2018 11:00 am ET – 1:00 pm EST
* December 4, 2018 11:00 am ET – 2:30 pm EST

**INC (Industry Numbering Committee) – Michael Doherty**

INC met in person on September 18-19 in San Francisco, CA.

**Discussion Points:**

* INC-2018-00135R000, Update NPAC Help Desk Info in COCAG (Central office Code Assignment Guidelines) – Appendix C (Doherty, iconectiv)
  + The purpose of this issue was to update the NPAC Help Desk information for the new NPAC vendor (iconectiv) in Appendix C of the COCAG.
  + This issue was discussed, accepted assigned INC 864.
  + This Issue is in Final Closure.
  + Updated documents were published October 26, 2018
* INC-2018-00138R001, Test Code for Implementation of New NPA Should Not be in NPAC (Sprague, Neustar NANPA)
  + This issue was discussed, accepted and assigned INC 865.
  + INC made updates to COCAG Section 4.9.3, as contained in INC-2018-00138R001, in order to indicate that the test code used for new NPA implementation shall not be entered into the NPAC.
  + This Issue is in Initial Closure.
* INC-2018-00101R, Update NPAC Help Desk info in Thousands Block Application Form – Part 1B (Doherty, iconectiv)
  + The purpose of this issue was to update the NPAC Help Desk information for the new NPAC vendor (iconectiv) in Part 1B of the TBPAG
  + This issue was discussed, accepted assigned INC 869.
  + This Issue is in Initial Pending.
  + Updated documents will be published in next doc release
* Issue 839 – Combine the Central Office Code (NXX) Assignment Guidelines (COCAG) and the Thousands Block (NXX-X) Assignment Guidelines (TBPAG) into one document
  + The purpose of this combination is to streamline the Guidelines and make them more user friendly
  + New name for combined document is Thousands-Block and Central Office Code Administration Guidelines (TBCOCAG).
  + This issue is in Initial Closure.

**Next Meetings of INC:**

* INC will meet in Temple Terrace, FL November 13-14, 2018

**Regional Tunables**

* **10102018-01:** iconectiv PE to provide a recommendation for maximum number of download records for the November meeting. **Action Item Closed.**
* The values have been synched up from the October meeting and iconectiv recommended using 4,000 for the maximum number of download records. The other changes were implemented right after the September meeting (retention parameters) and no issues have surfaced. No concerns with using a value of 4,000 were voiced and the change was expected to be done no later than Sunday 11/11/18.

**NPAC Clean-up Sub-team Update**

* **PIM 118 -** Not Onboarding SPIDs with Active SV data – ongoing work effort
* **09072018-03:** iconectiv PE to report on altSPID cleanup progress. **Action Item Closed**
* **10102018-02:** Service Providers to review the NPAC Cleanup Sub-team proposal from the October 10, 2018 meeting related to out of business entities that no longer want/use SPIDs that have active NPAC data and provide feedback during the November meeting. **Action Item Closed**
* The group had some questions about the list of Carriers involved and whether the LRNs noted were still in the LERG. The list of SPIDs involved are posted on the Customer Portal. The proposal was accepted and the group agreed to move forward with the plan. An industry notice will come out to inform NPAC Users of the SPID migrations. This cleanup effort will be an iterative process for the sub-team. LRN cleanup will be quick, but the migrations will take place over a period of months.



**Transition Business**

**Review 4.1 Release Documentation versions** – iconectiv presented



iconectiv recommended we revisit the test plans and modify them to improve the readability. This is a substantial effort.

It was noted that although we are using software version 4.2.1 now, it is different than the versioning used for the documentation (4.1a and 4.1b). At some point in the future, it might be possible to true up the document version with the software version. The change orders are the linking factor between the software and the documentation and they will list what is in the release vs. what is in the documentation.

**Continued Future Release Planning**

* NPAC/SMS Sunset Change Orders Next (Final) Steps – iconectiv presented



* ASN.1 and GDMO Recompilation Discussion – agreement is needed on the new baseline and then what needs to be supported going forward. There is value in getting the interface spec and requirements all lined up. Full regression testing to go along with re-compilation is needed. CMISE full regression takes 2 weeks and about the same for XML – recompilation and scheduling associated with that period.
  + Discussion of updates to NANC 528 took place. This is a compilation of 11 various Change Orders. iconectiv will have a draft of the GDMO, ASN.1 & XIS for review at the January 2019 meeting.
  + Requires a three to six month testing window.
  + Neustar noted that from a high level view the plan looks good.
  + AT&T requested a straw man timeline for the next meeting.
  + **New Action Item 11062018-01: iconectiv to create a plan detailing the timeline for ASN.1 & GDMO recompilation for the Sunset Change Orders**

**Industry Test Plan(s) Document Approach**

* iconectiv explained sunset features were documented in the 4.1a documentation release and the potential need for further clarification/consolidation in a future document release
* iconectiv has revised the testing document names to match them to their intended purpose. SPs are now obligated to use certified vendors and are no longer certified directly so the document is titled NPAC/SMS Vendor Certification and Regression Test Plan.
* AT&T spoke about profile settings that determine whether certain functions work or not and iconectiv indicated those items will be addressed via testing based on profile settings and what capability sets the vendors support.

**Group/Round Robin Test Plan Updates**

* NANC 521 Updates (v2) were reviewed and accepted
* SP Group Test Plan document draft (based on Transition Inter Carrier Test Plan) was reviewed
* **New Action Item 11062018-02: ATT to propose language to add clarity re: prerequisites for testing and details on who can/cannot participate.**
* **06052018-01** – Review timer based test cases for inclusion in the SP Group Test Plan when Group/RR Test Cases are documented in the new test plan (NANC CO 521). **Action Item Closed**

**Change Management Summary - Change Management Administrator**

**Change Order Summary Review**

* Change Order Summary – Open COs – iconectiv CMA reviewed the updates to the document with the group.
* Change Order Summary – Implemented COs – iconectiv CMA reviewed the updates to the document with the group.

**Change Order (Open) Review –** iconectiv CMA presented additional information on CO status

* NANC 447 – NPAC support for TCP/IP v6
  + This item was tabled.
* **NANC 449 – Active-Active SOA connection to NPAC – same SPID**
  + **09072018-05:**  iconectiv CMA to review Change Order 449 regarding Active-Active SOA connections and provide additional details at a future meeting. **Action Item Closed**
* **NANC 457 – SPID Migration TN Count**
  + **09072018-06:** iconectiv CMA to review Change Order 457 regarding SPID migration TN counts and determine if it should be a Doc Only CO or if there are other impacts. **Action Item Closed**
* **NANC 492 – Sunset Audit Notifications**
  + Reviewed – iconectiv noted that combining the audit discrepancy notifications with the final result notification into a single results notification is not backwards compatible.
* **NANC 497 – NPAC Customer ID in CMIP Key Exchange Files**
  + **09072018-07:**  iconectiv CMA to review Change Order 497 regarding Customer ID in CMIP Key Exchange files and provide additional details at a future meeting. **Action Item Closed**
  + iconectiv to provide information on what is needed. SOA/LSMS generates a key exchange file for keys used in SOA/LSMS originated messages to NPAC. NPAC processes the key exchange file and generates an associated acknowledgement file for the SOA/LSMS keys that gets processed by the SOA/LSMS for verification of its keys. NPAC generates a key exchange file for keys used in NPAC originated messages to SOA/LSMS. SOA/LSMS processes the NPAC key exchange file and generates an associated acknowledgement file for the NPAC keys that gets processed by the NPAC for verification. iconectiv implemented the key exchange files as identified in the change order, but some vendors had issues automatically processing the files from NPAC, in particular issues with the first field. The first field of the key exchange file as well as the first field of the acknowledgement file is a field called NPAC customer ID.
  + **New Action Item 11062018-03: local vendors to provide information on what they do today. CMIP Local System Vendors are to identify how they populate this first field (NPAC Customer ID) in the key exchange and acknowledgement files they send to NPAC and receive from NPAC.**
  + Documents need to reflect what is implemented today.
* **NANC 525 – MUMP Files – Long Term**
  + Agreement reached to break this into 3 Change Orders
  + NANC 525 – Pooling Objects
  + NANC 536 – Email distribution list
  + NANC 537 – Due Date matching
* **NANC TBD – MUMP File Layouts**
  + This Change Order was accepted and assigned NANC CO 532. This is a doc only CO for the current file layout.
* **NANC 528 – GDMO-ASN.1-XSD updates**
  + GDMO Updates – this is a catch-all for the other 11 COs impacting GDMO, ASN.1, or XSD
* **09072018-08:**  iconectiv CMA to update NANC 454/460/461 with additional sunset related changes discovered while updating documents. **Action Item Closed**
* **09072018-09:** iconectiv CMA to update NANC 460 with additional sunset related changes discovered while updating documents back into the Change Order for completeness. **Action Item Closed**
* **09072018-10:** iconectiv CMA to open a Change Order to document how the current system handles processing of audits based on activation time range and recommend an approach to resolve the current issue. **Action Item Closed**
  + iconectiv created NANC TBD – Audits with Activation TimeStamp
  + This CO was accepted and assigned NANC 533.

PIM and Change Order Review

* PIM 119 – NANC TBD - Reference Data Updates for new NPA-NXXs
  + **09072018-02:**  iconectiv CMA to open a Change Order to reconcile the FRS with COCAG requirements regarding adding new codes in the NPAC. **Action Item Closed**
  + This Change Order was reviewed, accepted, and assigned CO 534.
  + iconectiv to propose a wording change to remove the word 'expectation' and add date of COCAG
* PIM 121 – NANC TBD - Service Provider Deletion Validations for Alt SPID and Last Alt SPID
  + 09072018-04: iconectiv CMA to open a Change Order to address requirements that need to be added regarding treatment of altSPID and last altSPID when Service Provider IDs are deleted. Action Item Closed
  + This Change Order was reviewed, accepted, and assigned CO 535.
* NANC 530 – iconectiv reviewed the CO and this is now implemented
* NANC 531 – Recovery Rollup
  + iconectiv believes they have documented this to the point that it can be moved to a requested status. The IIS has language that mentions delaying rollup until recovery is completed, and this came up during replay discussions. CO moved to requested status.

Release 4.1b Documentation (FRS, EFD, IIS, XIS, etc.) review

* iconectiv reviewed document only changes in the various documents from COs - NANC 453, 522, 523, 527, 529 & 530

PIM and Change Order Review (Continued)

* **NANC 504 discussion –** the local systems need to comment on this CO
* **New Action Item 11062018-04: Local System vendors to provide feedback on whether this Change Order is still needed and if there is value in getting the object information during the modify.**

**Change Order (Requested) Prioritization List Review**



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| --- | --- | --- | --- | --- | --- | --- |
| **CO #** | **PIM #** | **CO Date Accepted** | **Date Originated/Submitted** | **Description** | **CO Status** | **CO Priority** |
| **NANC 537** | **N/A** | **11/6/18** | **11/6/18** | **MUMP – Due Date Matching** | **Open** |  |
| **NANC 536** | **N/A** | **11/6/18** | **11/6/18** | **MUMP - Email Notification list** | **Open** |  |
| **NANC 535** | **121** | **11/6/18** | **11/6/18** | **SP Deletion and Alt SPID and Last Alt SPID validation – CO number assigned/updated** | **Open** |  |
| **NANC 534** | **119** | **11/6/18** | **11/6/18** | **Reference Data Updates for new NPA-=NXX** | **Open** |  |
| **NANC 533** | **115** | **11/6/18** | **11/6/18** | **Audits with Activation Timestamp Range – CO number assigned/updated** | **Open** |  |
| **NANC 532** | **N/A** | **11/6/18** | **11/6/18** | **MUMP File Formats (doc-only) – CO number assigned/updated** | **Open** |  |
| **NANC 528** | **N/A** | **9/11/18** | **9/11/18** | **GDMO-ASN.1-XSD updates** | **Open** |  |
| **NANC 525** | **107** | **7/10/18** | **7/10/18** | **MUMP – Mass Pooling** | **Open** |  |
| **NANC 521** | **N/A** | **3/6/18** | **3/6/18** | **Group & RR Test Plan Updates – Doc Only** | **Open** |  |
| **NANC 497** | **N/A** | **7/11/17** | **7/11/17** | **NPAC Customer ID in CMIP Key Exchange Files** | **Open** |  |
| **NANC 492** | **N/A** | **4/5/17** | **4/5/17** | **Sunset Audit Notifications V1** | **Open** |  |
| **NANC 484** | **N/A** | **3/10/16** | **3/10/16** | **XML – Removal of Optional Data values** | **Open** |  |
| **NANC 467** | **N/A** | **9/3/15** | **9/3/15** | **ASN.1 – CMIP lnpRecoveryComplete Action reply** | **Open** |  |
| **NANC 449** | **N/A** | **2/23/12** | **2/23/12** | **Active-Active SOA connection to NPAC – same SPID** | **Open** |  |
| **NANC 447** | **N/A** | **11/1/11** | **11/1/11** | **NPAC Support for CMIP over TCP/IPv6** | **Open** |  |

* NANC 457 – Changed Status to Requested
* **New Action Item 11062018-05: iconectiv to send out updated CO Prioritization list – Completed 11/14/2018**
* **New Action Item 11062018-06: Service Providers to review in preparation for the December call the Open Status Change Orders. If there is feedback or questions please direct your open Change Order feedback to** [**cma@iconectiv.numberportability.com**](mailto:cma@iconectiv.numberportability.com)**by December 5th, if possible.**
* Release 4.1a Vendor Certification/Regression Test Plan review
* 4.1a will be trued up with the existing SW release (4.2.1)
* We have not had SP certification for many years
* Vendors are required to go through certification
* We went through the documents covering test case Chapters 1 -7 and Chapter 8
* **New Action Item 11062018-07: Due to the abbreviated review of the documents, all Vendors & SPs are asked to review and provide comments (if needed) on the redlined testing documents**
* iconectiv to send out updated documents 2 weeks prior to Jan mtg

# Review of Action Items remaining open from previous meetings:

* + - **LNPA TOSC Chair Action Item:**
      * **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.

**Service Provider/Local System Vendor Action Items:**

* **09122017-05:** Change Order 504 modifications to address PIM 102 (updated verbiage)
* Current NPAC SMS Specifications on Recovery of SVs that were modified are not clear on the data that is recovered.  Clarity is needed so that CMIP LSMS Users can successfully recover SVs that were modified when the LSMS was down.
* Upon evaluation by the industry, it became apparent that only one LSMS had a dependency on the different interpretation.  Given the limited value by only one LSMS taking advantage of that implementation and the increased risk to the industry to modify the new NPAC implementation and recertify all of the LSMS’, the industry decided to not support the CO during transition and to request the one LSMS to remove its dependency.
* Given the potential value if all LSMS’ implemented the behavior, the industry determined this would be a potential future discussion item for the industry post transition.
* ONGOING
* **See New Action Item 11062018-04: Local System vendors to provide feedback on whether this Change Order is still needed and if there is value in getting the object information during the modify.**
* **07102018-05:** Teresa Patton to develop a new PIM to address local system recertification. **Action Item Withdrawn**

**Unfinished/New Business:**

None discussed

**2018 Meeting Schedule:**

September 11-12, 2018 – F2F Alpharetta, GA hosted by Verizon

October 10, 2018 – call 10 Eastern

November 6-7, 2018 – F2F – Tampa, FL hosted by Syniverse

December 5, 2018 – call

**November 2018 Meeting Adjourned:**

Having completed the agenda for the November 6-7, 2018, LNPA Transition Oversight Sub-Committee meeting the meeting adjourned.

***Next Full Meeting … January 8-9, 2018: Location El Segundo, CA…Hosted by AT&T***