**LNP Informal Meeting**

**Date 2/25-26/2020 – San Antonio, TX - ATT Host**

**Face-Face Meeting Attendance**

| **Name** | **Company** | **Name** | **Company** |
| --- | --- | --- | --- |
| John Nakamura | 10xpeople (phone) | Michael Doherty | iconectiv |
| Lisa Marie Maxson | 10xpeople | Pat White | iconectiv |
| David Alread | AT&T | Ray Wood | iconectiv |
| Renee Dillon | AT&T | Shanmugavel Krishnan | iconectiv |
| Teresa Patton | AT&T | Steve Koch | iconectiv |
| Rpb Brezina | Bandwidth (phone) | Bridget Alexander-White | JSI (phone) |
| Deborah Anstead | Cablevision Lightpath (phone) | Sandeep Gupta | NetNumber |
| Nancy Cornwell | CellCom (phone) | Anand Rathi | Neustar |
| Joy McConnell-Couch | CenturyLink | Florence Weber | SOMOS (phone) |
| Kathy Troughton | Charter (phone) | Tara Farquhar | SOMOS (phone) |
| Sheila Seidle | Cellcom (phone) | Chad Younger | Sprint |
| Erik Chuss | ChaseTech Consulting (phone) | Maamoun Naji | Sprint |
| Arnold Monell | Cincinnati Bell (phone) | Niraj Prakash | Sprint |
| Randee Ryan | Comcast | Jeanne Kulesa | Synchronoss |
| Diane Alexenberg | Dish | Bob Bruce | Syniverse |
| Sheri Pressler | Frontier (phone) | Greg Ortman | T-Mobile |
| Crystal Hanus | GVNW (phone) | Rosemary Leist | T-Mobile (phone) |
| Deborah Lasher | iconectiv (phone) | Bale Pathman | Verizon Wireless (phone) |
| Doug Babcock | iconectiv | Deb Tucker | Verizon Wireless |
| George Tsacnaris | iconectiv | Shafaq Zia | Verizon Wireless (phone) |
| John Malyar | iconectiv |  |  |

November and January Meeting notes were approved

**Industry WG Readouts**

* NANC Readout
  + Informal discussions are taking place for Number Portability without having a specific NANC Working Group charter.
  + **New Action Item - 02252020-01 –** Deb Tucker and Teresa Patton to discuss NANC efforts with respect to the NAOWG and LNP responsibilities.
* OBF Committee Readout – R. Ryan
  + WIRELESS SERVICE ORDERING SUBCOMMITTEE
    - Meetings were held on December 10th, 2019, January 7, 2020, February 18, 2020 to discuss unauthorized porting.
    - During the February 18th call, the group discussed the potential for expanding the WICIS Character Set used to include a variety of accent marks for name and address fields.
    - The next meeting will be March 17, 2020
  + LOCAL SERVICE ORDERING SUBCOMMITTEE
    - The December 9th meeting was cancelled.
    - Next Meetings:
      * LSO is in the process of scheduling its 2020 meetings
* ATIS INC Readout – M. Doherty
  + INC met face to face in Temple Terrace, FL February 5-6, 2020

**Discussion Points:**

* + Use of 988 NXX as Suicide Prevention Hotline
    - INC continued discussion on development of comments to the FCC on the use of 988 as the 3 digit code for the Suicide Prevention Hotline.
    - Some challenges are:
      * Post Dial delay will need to be utilized to properly route calls to this 3 digit code
      * 10 Digit dialing would be required in all NPAs
      * Not all switches can route Non N11 3 digit codes
  + NANPA reported that there are 11 CICs on the list to be reclaimed
    - No objections were made to NANPA reclaiming the CICs
  + PA presented the p-ANI and Projected Exhaust report
  + New Issues (4)
    - INC-2020—00006R002 – Clarify language in TBCOCAG regarding Effective Dates when an applicant doesn’t specify date
      * Since an applicant cannot submit an application without a specific effective date, the standard minimum effective date (24 calendar days) is automatically assigned.
      * Issue was accepted and assigned Issue #883
      * INC agreed to modify ATIS-0300119, TBCOCAG to specify that applications are automatically populated with a 31 calendar day effective date.
    - INC-2020-00011R001 – Updates to the TBCOCAG
      * This issue clarifies references to NPAC, and redirects references to the NPAC website and help desk to a single place in the glossary
      * Issue was accepted and assigned Issue #884
      * This Issue was placed into Initial Closure with the following Resolution Statement: INC agreed to update ATIS-0300119, TBCOCAG, NPAC help desk website and contact information as per contribution INC-2020-00011R002.
    - INC-2020-00017R000, TBCOCAG Updates to iconectiv, TRA and BIRRDS Terms/company name
      * This issue is to update BIRRDS terms and the iconectiv company name in the TBCOCAG.
      * Issue was accepted and assigned Issue #885
      * This Issue was placed into Initial Closure with the following Resolution Statement: INC agreed to modify ATIS-0300119, TBCOCAG with the changes outlined to clarify references to BIRRDS records rather than screens, modify the use of term “NXD-A record” to specify NXD record for the CO Code, and to update iconectiv company name.
    - INC-2020-00019R000, Updates to CIC Assignment Guidelines, Sections 2.2, Section 2.2.3 and CIC Application Form – Page 32
      * The Guidelines are unclear as to how an interconnected VoIP service provider applies for a CIC, and the Guidelines are inconsistent regarding certification/authorization of applicants.
      * Issue was accepted and assigned Issue #886
      * A new Action Item was taken for Beth Sprague (NANPA) and Dana Crandall (Verizon) to bring another contribution for this Issue to rework the CIC Assignment Guidelines
  + Existing Issues (4)
    - Issue 846, Confirmation of Code in service (Part 4) Submitted in Error
      * Add text to Section 8 of the TBCOCAG to advise block/code of the importance of confirming adequate trunking is in place prior to submitting a Part 4/4A
      * This Issue was placed into Initial Closure with the following Resolution Statement: INC agreed to modify ATIS-0300119, TBCOCAG, with the changes contained in INC-2020-00008R001, to reinforce that Thousands-Block holders and non-pooled code holders should first ensure that the underlying code is activated in the PSTN and that local routing is in place prior to placing the block or code into service and submitting Part 4A or Part 4.
    - Issue 872, Update guidelines to add minimum aging requirements and other items from FCC 18-177, the “Reassigned Number Database” order to multiple guidelines
      * Even though it is in the CFR, the 45-day minimum aging period is not currently mandatory for Service Providers. INC had previously decided not to update the Guidelines until 45-day aging was mandatory.
      * Targeted resolution for this issue is April 30, 2020
    - Issue 879, Revisit Assignment of 800-855 line numbers and the 800-855 Assignment Guidelines
      * An audit is currently ongoing to see whether the assigned numbers are being used as intended.
      * This Issue remains Active, and NANPA will continue to work on the open Action Item.
    - Issue 881, Further streamline NPA Relief Planning & Not. G-lines Section 5.6.1
      * NANPA noted that it had no intention or desire to move away from formal filings, and wanted to correct any misconceptions that may have arisen to that effect.
      * This Issue was placed into Initial Closure
  + INC-2020-00024R000, TRACED Act
    - Participants reviewed this contribution, which provides an overview of the Pallone-Thune Telephone Robocall Abuse Criminal Enforcement and Deterrence (TRACED Act).

**Next Meetings of INC:**

* INC will meet in San Antonio, TX on April 28-29, 2020 @ AMOC (Note: after the meeting, ATIS cancelled this year’s meeting due to the COVID-19 virus)

**Transition Business**

* Continued Future Release Planning Timeline was reviewed
  + Vendor Certification Testing 6/1/20
  + Vendor Testing Complete prior to 10/9/20
  + Flash Cut weekend 10/25/20
* If the vendor expands their feature set, then they will need to be certified to offer that feature
* Several vendors have already requested test start dates

**CMA**

* PIM, Change Order Documents Review
  + Reviewed CO Summaries – CMA reviewed
    - Demonstrated new links to COs on LNPA WG website
    - 29 NANC COs in Requested status.
    - 1 NANC CO in open status
    - NANC 472 – ASN.1 – Audit Discrepancy Report - Consensus was reached to change status back to Open.
  + Reviewed PIM Matrix – CMA reviewed Final Resolution Date and wording.
  + PIM Review – CMA reviewed
    - PIM 124 – Multiple Simultaneous Requests v2
      * No objections to the Final Resolution PIM was closed
    - PIM 125 – Notification Suppression Test
      * No Objections to Final Resolution. PIM was closed
    - PIM 126 – XML Content Type
      * No Objections to Final Resolution. PIM was closed
    - PIM 127 – Billing ID and AltBilling ID Consistency
      * No Objections to Final Resolution. PIM was closed
    - PIM TBD – LSMS Availability
      * Service Providers commented that maintenance should be done during the maintenance window
      * Consensus reached that the Sunday maintenance window does not need to be revisited.
      * No objections to accepting this PIM. It was assigned #128

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    - PIM TBD – Large Port Notifications
      * No objections to accepting this PIM. It was assigned #129
      * There was discussion regarding the current notification limit of 25,000
      * After discussion of various approaches, there was Industry consensus to change the notification limit to 12,500
        + Agreement was that the LNPA would send a notification for all types of large port jobs.
        + **New Action Item - 02252020-02 -** Industry consensus was reached to update Best Practice 69 to reduce the large port notification from 25,000 to 12,500. iconectiv Action Item to send out notification via the Cross Regional notice.
      * BP 069 addresses Large Port Notifications
        + LNPA will update BP 069 with new notification level of 12,500
        + LNPA to send a cross regional notification to notify the Industry of the change to the notification threshold.

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    - NANC 472 – ASN.1 – Audit Discrepancy Report
      * No objections to these ASN.1 changes.
      * Consensus was reached to move the NANC CO back to Requested
    - Industry Specifications
      * Reviewed FRS updates (NANC 497, 534, 544, 550)
      * Reviewed GDMO updates (NANC 545)
      * Reviewed XIS updates (NANC 546)
      * Reviewed Operational Data XML updates (NANC 550)
      * Reviewed Vendor Certification and Regression Test Plan (NANC 547)
      * Reviewed ASN.1 (NANC 472)
      * All IS documents will be uploaded to the Software Release page in the main body of the page. Once finalized after R5.0 these documents will be shown in the usual location on the Software Release page.

**Unfinished/New Business**

* NPAC Failover Exercise (2/22-23/2020) – LNPA PE provided an update
  + No issues were surfaced on NPAC side
  + A few local systems were notified of issues and will take the appropriate steps
* Current Cross Regional notifications - LNPA PE provided an update
  + Notifications will be separated into 2 mailing lists
    - Cross Regional Notification – items of interest to Industry
    - LSMS Notification – Mechanized system users that wish to get LSMS notifications
  + iconectiv to send out Cross Regional notification notifying Industry of the change
  + Wait 1 month after initial notification, going out the week of 2/25/20, then add new mailing list
* Discussion of use of NPAC resources
  + User community needs to recognize NPAC is a shared resource
  + All Users need to work together to realize the maximum available throughput
  + MUMP process – NPAC manages the load relative to other processes that are concurrently running
  + If volume exceeds LSMS thresholds, LSMS failures could result in addition to the failed list resulting in the rebroadcast of messages, thus compounding the issue.
  + Service Providers shard their past and current practices to manage large volume activities being cognizant of the impact to their peers
  + Large Volume discussion led to concerns of current XML specification capabilities. This concern was emphasized with future systems moving to the XML interface itself. Some topics for future discussion included:
    - XML allows a very large load to be offered to the NPAC almost instantaneously.
    - It was stated that there are perceived differences in the Neustar NPAC and the iconectiv NPAC
    - **New Action Item - 02252020-03 –Since XML is a new interface and there have been recent increases in use of XML in production, iconectiv and vendors believe there may be some areas for improvement and therefore it should be re-examined. Consensus was reached for iconectiv to develop a PIM to review the XML interface overall**.

**Action Item review**

* 11122019-02 - Originators to review the PIM Originator document prior to the next FTF meeting – Keep Open
* 11122019–03 - LNPA to review the Hold/Replay industry documentation (FRS/XIS) for potential updates regarding informing Service Providers of available configuration changes during and outside of maintenance window.
  + iconectiv updated the UDocs (Internal M&P) on User interface modifications.
  + Action Item **Closed**

**Future Meetings**

* March 18, 2020 Conference call 12-1 PM Eastern
  + Status Update for LNP Informal Meeting
* April 7-8, 2020 FTF – Tampa Fl. Syniverse to investigate
* June 2-3, 2020 FTF - iconectiv to investigate hosting in Bridgewater
* **NOTE: After the February meeting was held, due to the COVID-19 virus, it was determined that FTF meetings will not take place until further notice.**

**Day 2 – LNP Informal meeting**

*Wednesday February 26, 2020*

* Fraudulent Port Discussion
  + Sub-Team progress update
  + Discuss potential new Cause Codes
  + Sub-team has worked through use cases
  + How does sub-team continue moving forward
    - Draft a white paper with each smaller picture
    - Draft PIMs for discussion at larger group
    - Industry participants that wish to become part of the Fraudulent Port sub team should send an email to John Nakamura
  + Not doing overnight porting to mitigate Fraudulent porting
    - There is an existing code 6L – Request made outside of business hours
  + Send a response with an 8 hr delay for Wireless
    - Wireline does not have a delay
    - Maybe create a new Delay response code
  + Comcast, VZ, Sprint - Email/text notification to account holder or each individual line porting
  + NPAC sending messages on carrier’s behalf
    - When in process should it be sent?
  + Nothing in port process that indicates pre-paid or post paid
  + Seems like every carrier is going down a different path – Vz following Comcast method (using PIN codes, FCC doesn’t look kindly on using delays)
  + There are 5 BPs that cover this topic but don’t address what we need right now
  + Guidelines for when SP can “call” customer – probably use same guidelines for when you can text the customer (don’t necessarily line up with business hours)
  + What if customer is roaming or what if customer is over their limits for messaging or unpaid bills
  + Who gets the text message – TN, acct owner? Acct owner might not be appropriate decision maker (domestic abuse)
  + Multi-line port – should only 1 text message be sent;
  + Text messages on sups; companies don’t want to receive text messages
  + But there is spoofing of text message
  + Beyond pre-paid, beyond resellers
  + Porting to VoIP where don’t have a new device (but old device should still be available)
  + There are new ways of doing messaging that can be hacked (new fraud from messaging applications). Fraudsters good at finding gaps in security…
* Special Characters – Should WICIS guidelines be changed to better handle miscellaneous characters from other languages?
  + Try to interpret the characters as closely to English as possible
* NNP Committee is charged to only look at IPLRN
  + Have the other solutions been abandoned?
  + Most carriers are not supportive of IPLRN
  + Committee meets every week