LNPA WORKING GROUP

July 10-11, 2012 Meeting

Final Minutes

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| Mont Tremblant, Quebec, Canada | Host: Canadian LNP Consortium |

##### LNPA WORKING GROUP ARCHITECTURE PLANNING TEAM (APT) DISCUSSION:

**TUESDAY 07/10/12**

Tuesday, 07/10/12, Attendance:

| **Name** | **Company** | **Name** | **Company** | | |
| --- | --- | --- | --- | --- | --- |
| Ron Steen | AT&T | Marcel Champagne | | Neustar |
| Lonnie Keck | AT&T Mobility | Dave Garner | | Neustar |
| Renee Dillon | AT&T Mobility | Mubeen Saifullah | | Neustar Clearinghouse |
| Barb Hjelmaa | Bright House (phone) | Shannon Sevigny | | Neustar Pooling (phone) |
| Matt Nolan | Bright House (phone) | Suzanne Addington | | Sprint Nextel |
| Cristy Permenter | Bright House (phone) | Rosalee Pinnock | | Syniverse (phone) |
| Marian Hearn | Canadian LNP Consortium | Joel Zamlong | | Ericsson/Telcordia |
| Jan Doell | CenturyLink (phone) | Pat White | | Ericsson/Telcordia |
| Brenda Bloemke | Comcast (phone) | Lisa Marie Maxson | | Ericsson/Telcordia (phone) |
| Tim Kagele | Comcast (phone) | Adam Newman | | Ericsson/Telcordia |
| Beth O’Donnell | Cox (phone) | John Malyar | | Ericsson/Telcordia |
| Devang Naik | DSET | George Tsacnaris | | Ericsson/Telcordia |
| Jim Seigler | DSET | Kayla Sharbaugh | | Ericsson/Telcordia (phone) |
| Linda Peterman | Earthlink Business | Steven Koch | | Ericsson/Telcordia (phone) |
| Jeff Sonnier | Ericsson (phone) | Paula Jordan | | T-Mobile |
| Crystal Hanus | GVNW (phone) | Luke Sessions | | T-Mobile |
| Kim Isaacs | Integra (phone) | Gary Sacra | | Verizon |
| Bridget Alexander | John Staurulakis, Inc. (phone) | Jason Lee | | Verizon (phone) |
| Lavinia Rotaru | Neustar | Deb Tucker | | Verizon Wireless |
| Pamela Connell | Neustar | Imanu Hill | | Vonage |
| Jim Rooks | Neustar | Traci Brunner | | Windstream (phone) |
| Paul LaGattuta | Neustar | Dawn Lawrence | | XO Communications (phone) |
| Stephen Addicks | Neustar |  | |  |
| John Nakamura | Neustar |  | |  |
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NOTE: ALL APT ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “JULY\_10\_ 2012 LNPA WG APT ACTION ITEMS” FILE ISSUED IN A SEPARATE E-MAIL FROM THESE MINUTES AND ATTACHED BELOW.

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**MEETING MINUTES:**

**2012 LNPA WG Meeting/Call Schedule:**

Following is the current schedule for the 2012 LNPA WG meetings and calls.

| **MONTH**  **(2012)** | NANC MEETING DATES | LNPA WG  **MEETING/CALL**  **DATES** | HOST COMPANY | MEETING LOCATION |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| January |  | 10th-11th | Telcordia | Scottsdale, Arizona |
| February |  | No meeting or call. |  |  |
| March |  | 13th-14th | Comcast | Denver, Colorado |
| April |  | No meeting or call. |  |  |
| May |  | 8th-9th | Neustar | Key West, Florida |
| June |  | No meeting.  6/12/2012 APT call from 11am to 1pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272#. |  |  |
| July |  | 10th-11th | Canadian LNP Consortium | Mont Tremblant Quebec, Canada |
| August |  | No meeting.  8/7/2012 APT call from 11am to 1pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272#. |  |  |
| September |  | 11th-12th | CenturyLink & Tekelec | Denver, Colorado |
| October |  | No meeting.  10/9/2012 call if necessary |  |  |
| November |  | 6th-7th | Sprint Nextel | Overland Park, Kansas |
| December |  | No meeting.  12/11/2012 call if necessary |  |  |
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* Continuing evaluation during 2012 will determine if interim conference calls are needed or if the decision to meet face-to-face every other month should be revisited.

May 8, 2012 APT Meeting Minutes Review:

* No changes were made to the DRAFT May 8, 2012 APT meeting minutes, and they were approved as FINAL.

June 12, 2012 APT Conference Call Minutes Review:

* No changes were made to the DRAFT June 12, 2012 APT conference call minutes, and they were approved as FINAL.

APT Test Plan Review Team Update – John Nakamura, Neustar:

* + - Review of Current Turn-up Test Plan Matrix

  

**Action Item 051011-16:** Neustar and Telcordia will create a list of Vendor (ITP) and Service Provider regression test cases, identify which are Vendor (ITP) and which are regression or which are both, determine which are conditional, and which apply to the following four categories:

1. New Service Provider and New Vendor,
2. New Service Provider and Experienced Vendor,
3. Experienced Service Provider and New Vendor,
4. Experienced Service Provider and Experienced Vendor.

The status of this work effort will be provided on the June 14, 2011 APT conference call and at the APT portion of the July 2011 LNPA WG meeting.

**Action Item 091311-APT-02:** As a part of the effort to review and update the Vendor ITP and Service Provider Turn-up Test Plans, the APT Test Plan Sub-team will identify to the full LNPA WG any functionality that is recommended for consideration to be sunsetted.

* John Nakamura, Neustar, reported that no conference calls were held since the last LNPA WG meeting. Work is continuing to update the TUT test cases. A follow-up call will be scheduled to get through the SV sections. A review will be then held in the APT.
* A Service Provider asked for the ability to do a series of test cases for simpler cases that could be performed by the SP in advance and have the test engineer come in later to verify the results. This will be considered.
* Both Action Item 051011-16 and Action Item 091311-APT-02 remain open.

Discussion of Alternative Interface (NANC Change Order 372) – All:



**Action Item 061212-APT-01:** Neustar will develop a naming convention/nomenclature table to be added to IIS3\_4\_1aPart\_2\_CMIPversusXML-v1.docx document. This document is to be distributed to the group prior to the July 10-11, 2012 LNPA WG meeting for review.

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* Neustar teed up for discussion the attached document containing NPAC XML abbreviations and long names, explaining how the 4 alpha mnemonic abbreviations are structured.
* A Service Provider asked if the use of long vs. abbreviated names is a significant performance consideration. A Local System Vendor suggested that we use the long form during the discussions and then have a separate subsequent discussion on translating to the short form.
* A Service Provider expressed concern related to the impacts of T1 performance for national carriers with using the larger XML message size. Neustar said that they built a tool that converts long name to short name over the interface. The Service Provider stated that their systems people feel that 4 characters are not enough. Neustar suggested that the more common messages could be sent with 4 characters and the rarer messages could be sent using the long names. The CMIP messages that are sent over the interface today are binary and are not readable.
* Action Item 061212-APT-01was closed.

**Action Item 061212-APT-02:** Neustar will complete draft XML Schema documentation and distribute to the group prior to the July 10-11, 2012 LNPA WG meeting for review in Mont Tremblant.

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* Neustar reviewed the Schema documents with the group via Webex. Modify scenarios were reviewed first, then Cancel scenarios, Disconnect scenarios, Conflict scenarios, LSMS Filter NPA-NXX scenarios, NPA split scenarios, and SPID migration scenarios. These are the non-pooled flows.
* The group then reviewed the Audit flows and Pooling flows.
* Action Item 061212-APT-02 was closed.

**Action Item 061212-APT-03:** Service Providers will investigate and determine whether or not the Service Provider functionality to CREATE, MODIFY or DELETE Network Data (Service Provider, NPA-NXX, LRN) over the Interface from their LSMS is being utilized in production, for discussion during the July 10-11, 2012 LNPA WG meeting in Mont Tremblant. The functionality in question does not include Query Request of network data to the NPAC, or the receipt of downloaded network data from the NPAC, which are included in the XML flows.

* Action Item 061212-APT-03 will remain open.

**Action Item 061212-APT-04:** Neustar, Vendors and Service Providers will provide feedback from their individual companies at the July 10-11, 2012 APT meeting regarding the impact of 4-digit neumonics VS spelled out Message and attribute names on bandwidth with a T1 being utilized for communication. They will also come to the meeting prepared to discuss their positions regarding bandwidth VS readability at that time.

* Action Item 061212-APT-04 will remain open.

**Action Item 050812-APT-01:** Regarding the continuing development of the technical requirements for NANC Change Order 372 – Alternative NPAC Interface – Neustar will develop a list of items that need to be completed and a proposed timeline to complete each. This will be reviewed and discussed at the July 2012 APT meeting.

* Action Item 050812-APT-01 will remain open. Neustar will distribute a draft for review on the August 7, 2012 APT conference call.
* Neustar will make all changes to the NANC 372 documentation agreed to at the July 10, 2012 APT meeting and distribute them to the LNPA WG in preparation of the September 11, 2012 APT meeting.
* Service Providers are to provide feedback on the mix of range operations vs. individual TN operations for network migrations that would be part of a 25K TN migration. This will be discussed at the September 11, 2012 APT meeting as part of the NANC 372 discussion.

APT Action Items Not Previously Discussed in Agenda – All:

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Review of May 8, 2012 LNPA WG APT Action Items:

**May 8, 2012 LNPA WG APT Action Items:**

* Item 050812-APT-01: This item remains Open.

**June 12, 2012 LNPA WG APT Action Items:**

* Item 061212-APT-01: This item has been completed and is Closed.
* Item 061212-APT-02: This item has been completed and is Closed.
* Item 061212-APT-03: This item remains Open.
* Item 061212-APT-04: This item remains Open.

**LNPA WG APT Action Items Remaining Open from Previous Meetings:**

* Item 051011-16: This item remains Open.
* Item 091311-APT-02: This item remains Open.

Discussion of Need for Interim APT Call(s) – All:

* Test plan calls will be scheduled separately.
* A full APT call will be held on August 7, 2012 from 11am to 1pm Eastern to continue the NANC 372 discussion. The dial-in bridge number is 888-412-7808, pin 23272#.

***Next APT Call…August 7, 2012 from 11am to 1pm Eastern…Dial-in bridge number is 888-412-7808, pin 23272#***

***Next APT Meeting …Part of the September 11-12, 2012 LNPA WG Meeting…***

***Location…*** ***Denver, Colorado …***

***Hosted by CenturyLink and Tekelec***