LNPA WORKING GROUP

Architecture Planning Team

March 5, 2013 Meeting

Final Minutes

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| Atlanta, GA | Host: DSET |

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

**TUESDAY 03/05/2013**

Tuesday, 03/05/2013, Attendance:

| **Name** | **Company** | **Name** | **Company** |
| --- | --- | --- | --- |
| Ron Steen | AT&T | Lavinia Rotaru | Neustar  |
| Teresa Patton | AT&T | Jim Rooks | Neustar |
| Mark Lancaster | AT&T | Paul LaGattuta | Neustar |
| Tracey Guidotti | AT&T (phone) | Stephen Addicks | Neustar  |
| Lonnie Keck | AT&T  | John Nakamura | Neustar |
| Renee Dillon | AT&T  | Marcel Champagne | Neustar (phone) |
| Matt Nolan | Bright House (phone) | Michael O’Connor | Neustar |
| Cristy Permenter | Bright House (phone) | Pamela Connell | Neustar |
| Frank App III | Bright House (phone) | Larry Vagnoni | Neustar |
| Marian Hearn | Canadian LNP Consortium | Dave Garner | Neustar  |
| Greg Darnell | Cbeyond | Fariba Jafari | Neustar |
| Jan Doell | CenturyLink | Tara Farquhar | Neustar |
| Kerri Burke | Comcast (phone) | Mubeen Saifullah | Neustar Clearinghouse |
| Dena Hunter | Cricket (phone) | Shannon Sevigny | Neustar Pooling (phone) |
| Devang Naik | DSET | Suzanne Addington | Sprint Nextel |
| Robin Rice | DSET | Rosemary Emmer | Sprint Nextel (phone) |
| Dilip Naik | DSET | Karen Riepenkroger | Sprint Nextel (phone) |
| Darius Irani | DSET | Jim Seigler | Synchronoss  |
| Linda Peterman | Earthlink Business (phone) | Rosalee Pinnock | Syniverse (phone) |
| Jeff Sonnier | Ericsson | Ramesh Chellamani | Tekelec |
| John Malyar | iconectiv (phone) | Margie Mersman | TCA |
| Adam Newman | iconectiv (phone) | Paula Campagnoli | T-Mobile |
| George Tsacnaris | iconectiv | Luke Sessions | T-Mobile |
| Pat White | iconectiv (phone) | Jesse Ochoa | T-Mobile |
| Steven Koch | iconectiv | Glenn Andrews | TNS |
| Crystal Hanus | GVNW (phone) | Kayla Sharbaugh | TNS (phone) |
| Kim Isaacs | Integra (phone) | Jason Lee | Verizon  |
| Bridget Alexander | John Staurulakis, Inc. | Deb Tucker | Verizon Wireless |
| Therese Mooney | Level 3 (phone) | Imanu Hill | Vonage  |
| Lynette Khirallah | NetNumber (phone) | Traci Brunner | Windstream |
| Ed Barker | Neustar (phone) | Dawn Lawrence | XO (phone) |

NOTE: ALL APT ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “MARCH 5, 2013 LNPA WG APT ACTION ITEMS” FILE ISSUED IN A SEPARATE E-MAIL FROM THESE MINUTES AND ATTACHED BELOW.

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**APT MEETING MINUTES:**

**2013 LNPA WG Meeting/Call Schedule:**

Following is the current schedule for the 2013 LNPA WG meetings and calls. The APT will typically meet on the first day of the LNPA WG meeting dates.

| **MONTH****(2013)** | NANC MEETING DATES | LNPA WG**MEETING/CALL****DATES** | HOST COMPANY | MEETING LOCATION |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| January  |  | 8th-9th  | Ericsson/Telcordia | Scottsdale, Arizona |
| February  |  | No meeting or call.Scheduled time on 2/5/13 for conference call to be used by APT. |  |  |
| March |  | 5th-6th  | DSET | Atlanta, Georgia |
| April |  | No meeting or call.04/09/2013 call if necessary |  |  |
| May |  | 7th-8th  | Neustar | Miami, FL  |
| June |  | No meeting.06/04/2013 call if necessary |  |  |
| July |   | 9th-10th  | T-Mobile | Seattle, Washington |
| August |  | No meeting.08/06/2013 call if necessary |  |  |
| September |  | 10th-11th | Comcast | Denver, Colorado |
| October |  | No meeting.10/08/2013 call if necessary |  |  |
| November |  | 5th-6th | AT&T | San Antonio, Texas |
| December |  | No meeting.12/03/2013 call if necessary |  |  |

**January 8, 2013 Draft APT Meeting Minutes Review:**

* No changes were made to the DRAFT January 8, 2013, APT meeting minutes.
* They were approved as FINAL.

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

John gave a status report on the Review Team activity as follows:

As reported at the January meeting, Excel spreadsheets with SV test cases for modify, disco, activate, cancel, conflict, and query were distributed for review by team members. A conference call was held on Tuesday, January 15 in an attempt to identify any duplicate cases. None were identified so all the cases remain in the regression test list.

A new document comparing the current ITP test cases was provided, and John identified those test cases not covered in the TUT regression testing.

The Test Plan Review Team conducted conference calls on January 29, February 7, and February 20 to review the documents. The review of the network data and the SV data was concluded on the February 20 conference call.

John distributed the pooling data on February 26 and the next call is scheduled for March 12.

**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.*

*November 6, 2012 meeting update: Item remains Open and ongoing. At the July 12, 2011 APT meeting, a sub-team was formed made up of John Nakamura (Neustar and sub-team lead), Jim Rooks (Neustar), Pat White (Ericsson/Telcordia), Lisa Marie Maxson (Ericsson/Telcordia), John Malyar (Ericsson/Telcordia), Kayla Sharbaugh (Ericsson/Telcordia), Suzanne Addington (Sprint Nextel), Karen Fahrenbruch (CenturyLink), Renee Dillon (AT&T Mobility), Linda Peterman (Earthlink), Jim Seigler (DSET), and Jason Lee (Verizon Business). Separate conference calls are being held to review and revise the test plans.*

Action Item 051011-16 remains open.

**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 sunset.*

Action Item 091311-APT-02 remains open.

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

* Neustar reviewed the FRS changes to NANC 372 and to the XML Interface Specification.

**Action Item 110612-APT-01:** *Regarding the attached slide deck describing the XML interface specification under development (NANC 372), LNPA WG APT Participants are to discuss internally the proposal that the NPAC system will allow multiple concurrent incoming HTTPS (server) connections for both SOA and LSMS systems up to a tunable limit. Discussion will take place at the January 2013 APT meeting to determine if the added ordering complexity of multiple concurrent connections is acceptable or if we only want to allow a single connection. See slide 6 in the attached for reference.*

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Action Item 110612-APT-01 is closed.



**010813-APT-01:** *NPAC vendor and local system vendors will recommend methodology to properly sequence messages/transactions over multiple connections. Recommendation is to be made at the March 2013 face-to-face meeting. A sub-committee consisting of Jim Rooks – Neustar, Pat White – Ericsson/Telcordia, Ramesh Chellamani – Tekelec, Mubeen Saifullah – Neustar, Devang Naik – DSET, Glenn Andrews – TNS, and Rosalee Pinnock – Syniverse. Jim Rooks will lead the team. Currently, a conference call is scheduled for February 5, 2013.*

Jim Rooks walked the APT through a summary of the recommendations from the sub-committee. The changes to the XML schema file are summarized as follows:

1. Correction to NpacRegion enumeration (canada\_region).
2. VersionNewNpaNxx sp\_id moved to the first attribute.
3. Query replies changed to contain activity\_timestamp for the message ordering solution.
4. The download\_reason attribute was added to NumberPoolBlockObjectData.
5. The message\_date\_time attribute was renamed departure\_timestamp.
6. The attribute origination\_timestamp was added in the “Message” structure for the message ordering solution.

Included below are documents produced by the sub-team that reviewed message ordering issues related to multiple simultaneous NPAC connections. The content resulting from the conclusion of the sub-tem has been included in the new version of the XIS and schema documents that we will be reviewing. This sub-team work was done as a result of action item 010813-APT-01:



The APT recommends that the LNPA WG ask the NAPM LLC to request an SOW from Neustar for implementation of NANC 372.

Action Item 010813-APT-01 is closed.

**LNPA WG APT Action Items Closed at this Meeting:**

* AI 110612-APT-01: This item has been completed and is Closed.
* AI 010813-APT-01: This item has been completed and is Closed.

**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.

***Next APT Conference Call: No April 2013 APT Conference Call***

***Next APT Meeting: Part of the May 7-8, 2013 LNPA WG Meeting***

***Location: Miami, FL***

***Hosted by Neustar***