LNPA WORKING GROUP

March 13-14, 2012 Meeting

Final Minutes

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| Denver, Colorado | Host: Comcast |

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

**TUESDAY 03/13/12**

Tuesday, 03/13/12, Attendance:

| **Name** | **Company** | **Name** | **Company** |
| --- | --- | --- | --- |
| Tracey Guidotti | AT&T | Marcel Champagne | Neustar |
| Ron Steen | AT&T | Dave Garner | Neustar |
| Teresa Patton | AT&T (phone) | Mubeen Saifullah | Neustar Clearinghouse |
| Mark Lancaster | AT&T (phone) | Shannon Sevigny | Neustar Pooling (phone) |
| Lonnie Keck | AT&T Mobility | Jeff Sonnier | Sprint Nextel |
| Renee Dillon | AT&T Mobility | Ken Havens | Sprint Nextel |
| Matt Nolan | Bright House (phone) | Ann Fenaroli | Sprint Nextel |
| Jan Doell | CenturyLink | Suzanne Addington | Sprint Nextel |
| Tim Kagele | Comcast | Nancy Conant | Synchronoss |
| Brenda Bloemke | Comcast | Rosalee Pinnock | Syniverse (phone) |
| Joan Bridgeman | Cricket | Ramesh Chellamani | Tekelec |
| Dena Hunter | Cricket | Joel Zamlong | Ericsson/Telcordia |
| Julie Hock | Cricket | Pat White | Ericsson/Telcordia |
| Devang Naik | DSET | Lisa Marie Maxson | Ericsson/Telcordia |
| Jim Seigler | DSET | Adam Newman | Ericsson/Telcordia |
| Linda Peterman | Earthlink Business | John Malyar | Ericsson/Telcordia |
| Crystal Hanus | GVNW (phone) | George Tsacnaris | Ericsson/Telcordia |
| Bonnie Johnson | Integra (phone) | Kayla Sharbaugh | Ericsson/Telcordia (phone) |
| Bridget Alexander | John Staurulakis, Inc. (phone) | Steven Koch | Ericsson/Telcordia (phone) |
| Angie Beckett | John Staurulakis, Inc. | Paula Jordan | T-Mobile |
| Karen Hoffman | John Staurulakis, Inc. (phone) | Luke Sessions | T-Mobile |
| Eric Monkelien | Level 3 | Glenn Andrews | TNS |
| Lynette Khirallah | NetNumber (phone) | George Stonesifer | US Cellular |
| Jim Rooks | Neustar | Tanya Golub | US Cellular (phone) |
| Paul LaGattuta | Neustar | Gary Sacra | Verizon |
| Stephen Addicks | Neustar  | Jason Lee | Verizon (phone) |
| John Nakamura | Neustar | Deb Tucker | Verizon Wireless |
| Larry Vagnoni | Neustar | Traci Brunner | Windstream |
| Ed Barker | Neustar (phone) |  |  |
| Randy Buffenbarger | Neustar |  |  |

NOTE: ALL APT ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “MARCH\_13\_ 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 call if necessary. |  |  |
| July |   | 10th-11th  | Canadian LNP Consortium | Mont Tremblant Quebec, Canada |
| August |  | No meeting.8/7/2012 call if necessary. |  |  |
| 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 |  |  |
|  |  |  |  |  |

* 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.

January 10, 2012 APT Meeting Minutes Review:

* No changes were made to the DRAFT January 10, 2012 APT meeting minutes, and they were approved as FINAL.

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

* Review of SOW 24 Test Requirements



* In leading the review of the attached SOW 24 ITP testing requirements, John Nakamura, Neustar, stated that the objective is to perform more business flow testing with vendors. If that is the case, it would make sense for vendors to perform turn-up regression test cases. Currently there are 101. John stated that Neustar also recommends that SPs would perform the regression test cases as part of their turn-up testing. New features that vendors would have to implement would require additional test cases. These would be the minimum required test cases for vendors.
* For a new release with no new features, at a minimum, vendors would do the turn-up regression test cases. The group agreed.

* Concerns were raised regarding the suggestion to make the regression test cases optional for SPs if vendors have performed them already.
* Neustar stated that their recommendation would not preclude vendors doing surrogate testing for their SPs. It was asked if this meant that they would have to do the regression test cases twice as a vendor and then as a surrogate for their customer. Neustar responded that the software level, patch level, and NPAC profile level would have to be the same for both vendor and SP systems in order to avoid having to run the test cases twice.
* There was agreement that SPs would also be required to do the turn-up regression test cases.
* For new releases with new features that the vendor and SP are going to implement, each would run the associated new test cases.
* John then reviewed the SOW 24 requirements. He stated that we will have to revise this document for submission to the LLC. It will no longer be called ITP testing. It will be called vendor testing. Neustar will revise the attached SOW 24 testing requirements based on changes discussed at the March 13, 2012 APT meeting for review at the May 8, 2012 APT meeting.
* It was asked how it would be coordinated if the SP had different SOA and LSMS vendors. There should not be any difference in how it is done today.
* It was stated that we also need to look at the current ITP test cases to see what we need to carry over into the turn-up regression test cases for vendor testing.
* 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 051011-16 stays open. We will review the test plan in the sub-team and bring a recommendation to the APT.

**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.

* Action Item 091311-APT-02 stays open.

Discussion of NPAC Support of IPv6 (NANC 447) – All:



* The group reviewed the attached NANC 447 Change Order for NPAC support of IPv6.
* Neustar will add a note in the attached NANC 447 Change Order stating that dual stacks (IPv4 and IPv6) will be supported.
* There was no objection to recommending to the full LNPA WG that a request be sent to the NAPM LLC for an SOW from Neustar for NANC 447. Neustar said that the level of effort would likely be medium to high.

Sunset of Non-EDR Support – All:

**Action Item 011012-APT-01:** Neustar will send a message out over the Cross-Regional distribution list indicating that support of non-EDR will sunset at the end of 2Q2012. In that notification, Neustar will describe the implications, e.g., no pooled SVs in BDDs, and ask if any entities are currently requesting BDDs with pooled SVs.

* Neustar stated that they have not received any feedback from the notice sent out per Action Item 011012-APT-01.
* Neustar will contact directly those users that request BDDs with pooled SVs to let them know that support of non-EDR will sunset at the end of 2Q2012. Neustar will provide feedback at the May 8, 2012 APT meeting. There are 34 such users.
* Action Item 011012-APT-01 is closed.
* Neustar reviewed changes to NANC 448 related to pooled SVs.
* There was no objection to recommending to the full LNPA WG that a request be sent to the NAPM LLC for an SOW from Neustar for NANC 448. The actual implementation of NANC 448 would be done over time.

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

**Action Item 011012-APT-02:** Neustar will expand the text in NANC 372 – Alternative Interface – based on current working assumptions agreed to at the January 2012 LNPA WG meeting for review and discussion at the March 2012 LNPA WG meeting.

 

**Action Item 110911-APT-03:** Service Providers are to come to the January 2012 LNPA WG APT meeting prepared to discuss NANC 372 – Alternative Interface – and provide any available internal feedback on the attached key questions provided by Neustar. See related Action Item 110911-APT-02



* Neustar reviewed the attached NANC 372 discussion document and recapped thediscussion that took place at the January 2012 APT meeting.
* XML or JSON – not yet decided. AT&T and Verizon stated that they prefer JSON at this point. CenturyLink prefers XML at this point.
* The current working assumption is connectionless and session-less.
* Neustar will create a tracking document of key questions that need answered and what decisions are made in order to focus our ongoing discussions. Pros and cons of each needed decision will be included in the document, e.g., JSON vs. XML. Vendors may also provide input to the document. The document will be developed also for SPs to use as a discussion tool internally with their IT and Security SMEs.
* Action Item 011012-APT-02 is closed.
* Action Item 110911-APT-03 is closed.
* Neustar teed us a discussion of push vs. pull. Push is what we have today with CMIP. There is a pre-established connection with an open association. SPs request the NPAC to open up an association. A push will require a hole to be open in SP firewalls with a server behind the firewall in a connectionless environment. In a pull environment, the only time the NPAC will send is at the request of the SP. Having a hole in a firewall in a closed network is similar to what is allowed today with VPNs. Today, there is a hole in the NPAC firewall to allow SPs to connect. In a pull environment, SPs would poll the NPAC for anything new. In determining how frequently to poll, we must keep in mind that there are benefits to getting updates in bulk. Neustar said that they do not envision a poll any more frequently than 60 seconds.
	+ An SP asked if there were any financial benefits to going to connectionless, pull, XML, etc. Neustar responded that having a CMIP developer on staff is a very specialized resource. The SP also asked if the new architecture would make the NPAC more efficient operationally. Neustar responded that the new interface would be simpler and the LSMS would not have to serve as a server.
	+ An SP asked if a pull environment could result in resource contention. Neustar responded that the efficiency of sending updates in bulk in a pull, and not having to place a header on each individual update, would outweigh any inefficiencies.
	+ An SP added that not having to maintain dedicated circuits would be a savings.

APT Action Items Not Previously Discussed in Agenda – All:

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Review of January 10, 2012 LNPA WG APT Action Items:

 **January 10, 2012 LNPA WG APT Action Items:**

* Item 011012-APT-01: This item has been completed and is Closed.
* Item 011012-APT-02: 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.
* Item 110911-APT-03: This item remains Open.

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

* Test plan calls will be scheduled separately.
* No full APT calls will be scheduled prior to the May 2012 face-to-face meeting.

***Next APT Meeting …Part of the May 8-9, 2012 LNPA WG Meeting…***

***Location…Key West, Florida…***

***Hosted by Neustar***