

LNPA WORKING GROUP
Architecture Planning Team
March 5, 2013 Meeting
Final Minutes

Atlanta, GA	Host: DSET
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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

Name	Company	Name	Company
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.



March 5 2013 LNPA
WG APT ACTION ITEI

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		8 th -9 th	Ericsson/ Telcordia	Scottsdale, Arizona
February		No meeting or call. Scheduled time on 2/5/13 for conference call to be used by APT.		
March		5 th -6 th	DSET	Atlanta, Georgia
April		No meeting or call. 04/09/2013 call if necessary		
May		7 th -8 th	Neustar	Miami, FL

MONTH (2013)	NANC MEETING DATES	LNPA WG MEETING/CALL DATES	HOST COMPANY	MEETING LOCATION
June		No meeting. 06/04/2013 call if necessary		
July		9 th -10 th	T-Mobile	Seattle, Washington
August		No meeting. 08/06/2013 call if necessary		
September		10 th -11 th	Comcast	Denver, Colorado
October		No meeting. 10/08/2013 call if necessary		
November		5 th -6 th	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.*



XML Interface
Specification 11-06-21

Action Item 110612-APT-01 is closed.



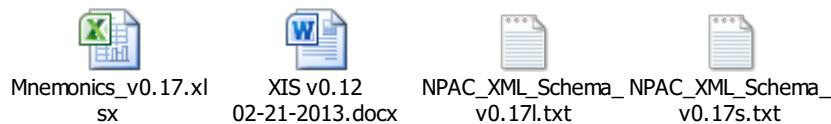
NPAC updates to
FRS for NANC 372 - v

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