LNPA WORKING GROUP

November 2006 Meeting

Final Minutes

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| --- | --- |
| San Antonio, Texas | Host: at&t |

**TUESDAY 11/14/06**

Tuesday, 11/14/06, Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | John Nakamura | | NeuStar |
| Mark Lancaster | at&t (phone) | Stephen Addicks | | NeuStar |
| Cyd McInerney | at&t | Paul LaGattuta | | NeuStar |
| Ron Steen | BellSouth | Dave Garner | | NeuStar |
| Marian Hearn | Canadian Consortium | Mike Panis | | NeuStar |
| Teresa Patton | Cingular (phone) | Rosemary Emmer | | Sprint Nextel (phone) |
| Renee Dillon | Cingular | Lavinia Rotaru | | Sprint Nextel |
| Adele Johnson | Cingular | Susan Tiffany | | Sprint Nextel |
| Nancy Sanders | Comcast | Steve Moore | | Sprint Nextel (phone) |
| Cyndi Jones | Embarq | Doug Babcock | | Syniverse |
| Vicki Goth | Embarq | Dave Cochran | | TelComm Systems (phone) |
| Jane Jackson | Evolving Systems | Adam Newman | | Telcordia (phone) |
| Crystal Hanus | GVNW | Jason Kempson | | Telcordia |
| Ann Vick | GVNW | Paula Jordan | | T-Mobile |
| David Sagor | Level 3 (phone) | Trevor Thompson | | T-Mobile |
| Michael O’Connor | NeuStar | Mohamed Samater | | T-Mobile |
| Tom McGarry | NeuStar | Maggie Lee | | VeriSign |
| Ed Barker | NeuStar | Jason Lee | | Verizon (phone) |
| Charles Ryburn | NeuStar | Gary Sacra | | Verizon |
| Syed Saifullah | NeuStar | Earl Scott | | Verizon (phone) |
| Shannon Sevigny | NeuStar Pooling (phone) | Deb Tucker | | Verizon Wireless |
|  |  | Martin Hakimdin | | Vonage (phone) |
|  |  |  | |  |

Attached are the Action Items assigned at the November, 2006 LNPA meeting. Also included are the remaining open Action Items from previous meetings.

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NOTE: ALL ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “NOVEMBER 2006 LNPA ACTION ITEMS” FILE ATTACHED ABOVE.

**MEETING MINUTES:**

2006 Meeting Schedule:

Following is the meeting schedule for the 2006 LNPA Meetings.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MONTH/**  **DATE**  **(2006)** | NANC | LNPA-WG | HOST | LOCATION |
|  |  |  |  |  |
| January | 24th | 10th-11th | Syniverse | Tampa, Florida |
| February | No meeting | No meeting.  2/8/06 call from 11am to 3pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| March | 14th | 7th-8th | NeuStar | San Diego, California |
| April | No meeting | No meeting.  4/12/06 call from 11am to 3pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| May | 16th | 9th-10th | Sprint Nextel | Overland Park, Kansas |
| June | No meeting | No meeting.  6/14/06 call from 10am to 5pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| July | 18th | 11th-12th | Canadian Consortium | Edmonton |
| August | No meeting | No meeting.  8/9/06 call from 11am to 1pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| September | 19th | 12th-13th | Verizon | Baltimore |
| October | No meeting | No meeting or call. |  |  |
| November | 30th | 14th-16th | at&t | San Antonio, Texas |
| December | No meeting | No meeting.  12/6/06 call from 11am to 3pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
|  |  |  |  |  |

* Continuing evaluation during 2006 will determine if interim conference calls are needed or if the decision to meet face-to-face every other month should be revisited.

9/06 Minutes Review:

* No revisions were made to the DRAFT September 2006 LNPA Minutes and they were accepted as FINAL.

# OBF Wireless Committee Update (Deb Tucker, Verizon Wireless and OBF Wireless Committee Co-Chair):

* The Wireless Committee held an interim conference call on 9/15 and the Wireless Technical Subcommittee met face-to-face in Bothell, WA October 3-5, with the primary focus of those meetings being Issue 2847 - conversion of WICIS from CORBA to XML (UOM).
* Additionally, the Wireless Committee met last week (November 6-10) during OBF 96 with the main focus being Issue 2847. The committee expects to finalize Volumes 1-4 during OBF 97 being held the week of Feb 5th, 2007. We are still anticipating a Spring 2008 implementation date. Testing will play a critical role in the successful implementation and all types of carriers will need to be involved.

The following Issues were also discussed at OBF 96:

* Issue 3062, the proposal to remove faxing from the WICIS industry standard and create a separate document for the process, was discussed and the document will be available for review by the end of December. Changes are not being made to the fax form itself.
* Issue 3063 was worked which added Broadcast Notifications and Test Messages to the UOM document.
* New Issue 3092 was worked. Through this issue, additional codes were added to the Broadcast Notification (system maintenance, outages, etc.) that will allow for programmatic handling of these messages.
* A new issue addressing the addition of wireline jeopardy processing to WICIS to support intermodal porting was walked in by Neustar and accepted to work. The issue will be worked in detail at either OBF 97 or 98 and any resolution to the issue will go into the next release after the 4.0 UOM version.
* An issue to add SV Type and Alternate SPID was discussed, but not accepted to work. Participants did not see the need to incorporate these fields into the ICP process.

# OBF Intermodal Subcommittee Update (Deb Tucker, Verizon Wireless and OBF Wireless Committee Co-Chair):

The Intermodal Subcommittee met during OBF 96 and discussed issues 2943 and 3029.

* Issue 2943, Minimum Data Exchange, is still open while the Wireless and LSOP committees work Issues 3029 and 3024 respectively.
* Issue 3029 addresses documentation for mapping between WICIS and LSOG to improve intermodal porting. This issue was introduced to the Intermodal Subcommittee by the Wireless Committee with the goal of gathering and organizing data so that the committee can map WICIS fields to LSOP fields. This process will allow for identification of specific issues or concerns so that a common industry agreement can be reached regarding resolution of those concerns. Wireline carriers agreed to provide occasional updates to the matrix using publicly available information. This information will not be contained in an ATIS-approved document and is meant to be incorporated as an attachment to an issue as part of the discussion. The information will be a snapshot at a particular point in time and is not to be considered forever true.

An update was given for activity taking place in the LSOP committee during the Intermodal meeting:

* Issue 3024 addresses the LSOG Data Element Audit. The LSOP committee went through the ordering process at OBF 95 and identified data elements that no one is using and those will be extracted from the LSOG. During OBF 96, they went through the pre-ordering process (CSI) and found a lot of fields that they will examine a bit more closely to determine if they can be removed.
* The next OBF general session, OBF 97, will be held the week of February 5th with a goal of finalizing the UOM documents (Issue 2847). The Wireless Committee will hold a conference call on 1/12 and an interim face-to-face will be held during the middle of January to continue work on Issue 2847.

Industry Numbering Committee (INC) Update (Adam Newman, Telcordia & INC Vice Chair):

* INC Issue 504 addresses 1K blocks that are being allocated back to the donor switch and therefore do not need to be activated in NPAC. If the –X is created, porting is prevented until it is manually removed.



Issue 504 is in Initial Pending. No Part 1B form changes were made, but changes to the guidelines were made to make it clear when to check the Informational box Yes or No. The issue is pending the NPAC programming changes to edit on those fields. The date for the NPAC changes will be provided by NeuStar at the December INC. The projected date is the first part of February.

* INC Issue 506 addresses the LNPA WG’s request to make revisions to the TBPAG Appendix 2 block donation form in order to prompt providers to perform any necessary intra-SP ports on their contaminated TNs prior to block donation.

Issue 506 is in Initial Pending. Changes were made to the TBPAG guidelines and form. The issue is pending a PA Change Order.

* INC Issue 527 addresses blocks with effective dates earlier than the effective date of the NPA-NXX of the associated LRN. A footnote was placed on the Part 1A form for SPs to make sure the NPA-NXX of an LRN associated with a 1K block is effective in the network. The issue is in Initial Closure.

NANC Future of Numbering (FoN) Working Group Update (Sue Tiffany, Sprint Nextel, and Cyndi Jones, Embarq):

* Sue Tiffany, Sprint Nextel, and Cyndi Jones, Embarq, provided an update of the NANC FoN Working Group.
* They reported that Telcordia provided that attached presentation on IMS. Discussion in the FoN WG ensued on whether or not IMS implementation would hasten number exhaust.



* The main topic of the last FoN WG call was to develop the November NANC report.

Liaison from INC on INC Issue 528 (Paula Jordan, T-Mobile and LNPA WG Co-Chair, and Gary Sacra, Verizon and LNPA WG Co-Chair):

* Paula Jordan and Gary Sacra, LNPA WG Co-Chairs, teed up discussion of INC Issue 528 (attached), which addresses an issue submitted by NIIF (also attached) on call-through testing of 1K blocks. The issue centers on the effective date of the –X, which is based on the block request form, and typically matches the LERG effective date of the block. The issue is that call-through testing cannot be done until the block is activated on the effective date and therefore cannot be done 5 days prior to the LERG effective date.



* The INC has requested that the leadership of INC, LNPA WG, NIIF, and CIGRR participate on a call on December 7th to discuss this issue. Paula Jordan and Gary Sacra, LNPA WG Co-Chairs, will represent the LNPA WG.
* Subsequent to the November 2006 LNPA WG meeting, the joint call was held. Attached are the minutes to that call.



Liaison from NRRIC on LNP Document (Paula Jordan, T-Mobile and LNPA WG Co-Chair, and Gary Sacra, Verizon and LNPA WG Co-Chair):

* Paula Jordan and Gary Sacra, LNPA WG Co-Chairs, teed up discussion of the attached NRRIC liaison, which requests review and comment on the attached LNP Section of the Network and Routing Resources Educational Document: Intercompany

Responsibilities in the Telecommunications Industry. This document is being revised through the work of NIIF Issue #0253 in the NRRIC.



* Gary Sacra, LNPA WG Co-Chair, will send a liaison to the NRRIC suggesting revisions to the document.

NOTE: Subsequent to the November LNPA WG meeting, it was determined that this document will be placed on the January 2007 meeting agenda for further discussion.

PIM Discussion:

* PIM 24 – This PIM, submitted by the Pool Administrator and AT&T Wireless, addresses instances where service providers are not following guidelines for block donation. For example, in some instances, contaminated blocks are being donated as non-contaminated blocks, or blocks with greater than 10% contamination are being donated. This is causing customers to be taken out of service or blocks to be exchanged for a less contaminated or non-contaminated block.



The LNPA and NAPM/LLC had previously approved the sharing of information between NPAC and the Pool Administrator whereby the Pool Administrator is able to obtain the necessary information from NPAC to ensure, to the extent possible, that service providers are complying with the pooled block donation process. The PA submitted Change Order 23 for FCC consideration. PA Change Order 23 was subsequently withdrawn and PA Change Order 24 was submitted to the FCC by the PA. The Numbering Oversight Working Group (NOWG) recommended to the FCC a trial of the proposed resolution in selected pools initially. The FCC subsequently recommended that the PA submit another Change Order based on the NOWG recommendation for a trial. On 2/9/04, the PA submitted Change Order 26 based on this recommendation to conduct a trial in one NPA in each NPAC region. The FCC approved PA Change Order 26. The PA has since received reports for each trial NPA in each region and worked with service providers to resolve discrepancies in what is in PAS vs. NPAC. The PA then aggregated the information and sent the findings and a recommendation to the FCC. Attached are the PA’s summary and a recommendation to the FCC that the PA receive reports for all NPAs and that it be repeated annually. The NOWG was then asked by the FCC to review the results and provide a recommendation.

 

The NOWG subsequently issued the attached recommendation that the PA provide an updated proposal with cost details for Change Order #24 to the FCC, for review by the NOWG, prior to the FCC authorizing a one-time scrub of PAS by the PA. The FCC responded that the PA should submit a new Change Order based on NOWG’s recommendation for a one-time scrub of all NPAs, and for ongoing data collection to determine if subsequent scrubs are needed.

On May 4, 2005, the Pool Administrator (PA) submitted the attached PA Change Order 41 for a one-time scrub of all 1K blocks currently in the pools. The NOWG supports PA Change Order 41.



At the November LNPA WG meeting, the PA presented the attached summary reports on the work resulting from PA Change Order 41. At the beginning of the project, there were 189,552 thousand-blocks available in PAS. Out of the 189,552 available blocks, 10,758 (5.68%) resulted in a discrepancy, which meant that

either PAS was incorrect or the NPAC was incorrect. Also, out of the 10,758 available blocks, there were 506 blocks that appeared to be over 10% contaminated. These were removed from the pool. 89% of the remaining had an incorrect contamination indicator in PAS. Some providers mistakenly thought they could donate a block that was over 10% contaminated if numbers were ported away to another carrier. The NOWG and PA will get input from the industry in a year to determine if they will request another scrub from the FCC. INC Issue 485, in tabled status, was a request from the LNPA WG to determine what process improvements can be put in place. Paula Jordan, LNPA WG Co-Chair, along with Mohamed Samater, T-Mobile, will convert the explanations from carriers as to why they had discrepancies between PAS and NPAC for pooled blocks in the attached PA Change Order 41 Final Summary into best practices statements for the LNPA WG’s NP Best Practices document.



PIM 24 is now closed.

* PIM 32 - This PIM, submitted by Syniverse (formerly TSI), seeks to address issues related to the process for obtaining a Customer Service Record (CSR), which contains information necessary to complete a Local Service Request (LSR) for porting in a reseller number.



PIM 32 is now being worked through wireline providers’ Account Management processes. Syniverse has initiated this contact with the ILECs. Syniverse will continue to work through these channels.

PIM 32 is now in a state of tracking awaiting feedback from NANC on the attached report submitted by the LNPA WG.



PIM 32 will stay open.

* PIM 42 – This PIM, submitted by Syniverse, seeks to review the wireline requirement for certain fields on the LSR.



PIM 42 is being worked through wireline companies’ Account Management process. It is also tracking awaiting the outcome of Issues 2943 and 3029 in the OBF. PIM 42 to stay open awaiting feedback from Change Control/Account Management efforts and outcome of OBF Issues 2943 and 3029.

* PIM 44 – This PIM, submitted by T-Mobile, Sprint, Verizon Wireless, Nextel, Cingular, and US Cellular, seeks to address varying rules among wireline carriers for developing a Local Service Request (LSR) in order to port a number.



PIM 44 is tracking awaiting the outcome of Issues 2943 and 3029 in the OBF. See attached liaison letter from the OBF on Issue 2943.



* PIM 50 – This PIM, submitted by Syniverse, seeks to address instances where

wireline to wireless ports fail the automated process because they are from large accounts where the Customer Service Record (CSR) is too large to return on a CSR query.



Wireless Service Providers are working change control efforts for PIM 50 through their appropriate wireline Account Management teams.

PIM 50 is now in a state of tracking awaiting feedback from NANC on the attached report submitted by the LNPA WG.



PIM 50 will stay open.

* PIM 51 – This PIM, submitted by Nextel, seeks the prevention of NXX codes being opened to portability in NPAC by the incorrect provider.



NeuStar has developed a Change Order proposal for an automated process to prevent the wrong service provider from opening up a code in NPAC. This will be discussed during the Change Management portion of the meeting.

* PIM 52 – This PIM, submitted by Sprint Nextel, seeks to address issues related to carriers receiving 1K blocks from the pool in which the Intra-Service Provider ports have not been completed by the donor provider prior to block donation to the pool.



The LNPA WG drafted the attached liaison to the INC requesting revisions to the TBPAG Appendix 2 block donation form suggesting questions to prompt the donating service provider to perform any necessary Intra-Service Provider ports, if applicable, and protect numbers in the block to be donated from further assignment by the donating provider. The INC has accepted this issue to be worked (INC Issue 506).



This PIM is now in a tracking state awaiting the outcome of INC Issue 506 (see readout above under Industry Numbering Committee Update).

* PIM 54 – This PIM, submitted by Comcast, seeks to reduce the interval for certain wireline-wireline and inter-modal ports to one day.



Action Item 0906-12: Nancy Sanders, Comcast, will determine if Comcast will revise the attached PIM 54 to reflect the scope of the work undertaken by the LNPA WG’s Pre-Port Subcommittee.

Action Item 0906-12 remains open.

* PIM 55 – This PIM, submitted by the NeuStar Clearinghouse Vendor, seeks to address issues related to wireline Provider Initiated Activity.



Action Item 0606-06: Regarding the attached PIM 55, Service Providers are to come to the July LNPA WG meeting prepared to determine the best course of action to take to work this PIM. (NOTE: This Action Item was carried over from the July 2006 LNPA WG meeting.)

Automating the processing of Jeps will be worked in the Wireless Committee and could be in the next WICIS release after 4.0. Action Item 0606-06 is closed.

Action Item 0706-15: Regarding the attached PIM 55, Service Providers are to identify at the September 2006 LNPA WG meeting reasons for issuing a Provider Initiated Activity (PIA) on or after the due date and what caveats they have to accepting an LNPA WG recommendation to the OBF that PIAs should not be issued on or after the due date.

Embarq stated that they would send a PIA JEP 10 days after the due date if the port is not activated by the New SP. Verizon discussed a scenario where they issued a JEP after the due date when the port was not activated by the New SP and the customer disconnected after the due date. Verizon Wireless expressed concern about the PIAs after the port has been activated. This becomes a PIM 53 issue. Action Item 0706-15 is closed.

Action Item 0906-06: With regard to the attached PIM 55, NeuStar Clearinghouse and Service Providers are to determine when they are getting or issuing Provider Initiated Activity (PIA) messages (Jeopardy Notices) (1. after FOC but before due date, 2. on or after due date but prior to broadcast, 3. after broadcast), for what reason, and the approximate quantity if available.

Mubeen Saifullah, NeuStar Clearinghouse, stated that in the last 10 days, 562 Jeps had been received -- 104 were after the due date (ranged from 1 day to 9 months after due date) and 72 were on the due date. One provider participant stated that a number of Jeps issued resulted from pending disconnect orders on the same number that was ported. It was stated that this should be an end user education issue so that they understand that they do not have to request a disconnect. It was further suggested that providers need to ensure there is not pending activity on the TN before an FOC is issued. A provider participant also brought up an issue related to lack of response to a query on an LSR. After 30 days, that provider cancels the port order due to no response to the query, sometimes after the port has been activated. This will be addressed in the Pre-port Subcommittee. Action Item 0906-06 is closed.

* PIM 56 – This PIM, submitted by Sprint Nextel, seeks to address instances where LNP database updates are not always propagated by all providers down to their network element routing databases in a timely manner.



Action Item 0706-11: Regarding the attached PIM 56, Sue Tiffany, Sprint Nextel, will revise the PIM and provide text for the LNPA WG’s NP Best Practices document related to the suggested resolution to identify a step-by-step procedure for carriers to follow in order to resolve this issue.

Action Item 0706-11 remains open.

* PIM 57 – This PIM, submitted by Cingular and Sprint Nextel, seeks to address porting issues that occur when a Reseller discontinues business and/or declares bankruptcy.



Action Item 0906-17: Regarding the attached PIM 57, Service Providers are to determine how they deal with the 3 phases in the Suggested Resolution.

Cingular attorneys are working on an addendum to a reseller’s contract to have authorization to port their customers who want to if the reseller goes out of business. Embarq abides by what the different states require. Verizon Wireless allows 10 days from the time it is identified that a reseller is going out of business to allow customers to decide what to do – could be lengthened based on volume. If they find out after the reseller goes out of business, customers are immediately disconnected, but Verizon Wireless allows a period of time where the customer can turn up service with a port to another provider or become a Verizon Wireless customer with the same number. Verizon Wireline generates a list of customers and lifts any local PIC freeze and ports the number if the customer wants to, or the customer can opt to become a Verizon customer. In some states Verizon becomes the default provider. Cingular is working on a tool to allow porting of numbers that have been disconnected and are aging. For numbers that have been disconnected and placed back in the assignment pool, Sprint Nextel and Cingular will allow the customer to port the number but they have to select that number as a vanity number. Sprint Nextel is creating a checklist to encourage their resellers not to abandon their customers and provide them with options. Sprint Nextel will bring the checklist for review at the January 2007 meeting. Cingular will bring in the port authorization text under development by their attorneys.

Action Item 0906-17 is closed.

* NEW PIM 58 – This PIM, submitted by BellSouth and Verizon, seeks to address instances where the LERG assignee of an NXX code has not opened a code to portability in NPAC, and either cannot be contacted to do so, or refuses to do so.



Ron Steen, BellSouth, and Gary Sacra, Verizon, teed up PIM 58. BellSouth experienced a scenario where a customer wanted to port from a CLEC to BellSouth, but the code was not opened in NPAC. It was marked portable in the LERG. BellSouth experienced trouble contacting the CLEC, as did NeuStar. The CLEC actually had an LRN in that code. When NeuStar finally contacted the CLEC, the CLEC said that they did not want the code opened. The State PSC finally instructed the CLEC to open the code and they eventually did. NeuStar expressed concern about their being expected to determine whether a code should be opened in NPAC’s network data. In the example given by BellSouth, every indication suggested it would be appropriate to open the code, yet the carrier instructed NeuStar not to open the code. NeuStar suggested the appropriate approach in these situations would be to have the state regulator direct NeuStar to open the code (and to indicate what SPID to show as the codeowner). The PIM was accepted for further work.

2007 LNPA WG Meeting/Call Schedule:

Following is the meeting schedule for the 2007 LNPA Meetings and calls.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MONTH/**  **DATE**  **(2007)** | NANC | LNPA-WG | HOST | LOCATION |
|  |  |  |  |  |
| January | TBD | 9th-11th | Cingular | Jackson, Mississippi |
| February | TBD | No meeting.  2/12/07 call if necessary |  |  |
| March | TBD | 13th-15th | Comcast | Denver, Colorado |
| April | TBD | No meeting.  4/10/07 call if necessary |  |  |
| May | TBD | 8th-10th | Canadian Consortium | Banff, Canada |
| June | TBD | No meeting.  6/12/07 call if necessary |  |  |
| July | TBD | 10th-12th | NeuStar | TBD |
| August | TBD | No meeting.  8/7/07 call if necessary |  |  |
| September | TBD | 11th-13th | Verizon Wireless | Nashville, Tennessee |
| October | TBD | No meeting.  10/9/07 call if necessary |  |  |
| November | TBD | 13th-15th | Sprint Nextel | Ft. Lauderdale, Florida |
| December | TBD | No meeting.  12/11/07 call if necessary |  |  |
|  |  |  |  |  |

* Continuing evaluation during 2007 will determine if interim conference calls are needed or if the decision to meet face-to-face every other month should be revisited.

Pre-Port Subcommittee Readout (Sue Tiffany – Sprint Nextel / Nancy Sanders – Comcast):

Action Item 0906-14: The Pre-Port Subcommittee will develop a pre-port process flow proposal for consideration by the LNPA WG to be included in the NANC LNP Provisioning Flows.

* The Pre-Port Subcommittee has held two conference calls to date and is developing the attached pre-port flows and narrative.



* On the first call, the group decided that pre-port covered the time from when the customer requests to port up to receipt of the FOC. These are steps 1 through 7 in the main NANC LNP Provisioning Flow.
* Action Item 0906-14 remains open.

Action Item 0906-15: Service Providers are to identify the most prevalent issues, other than the ones associated with PIMs 32 and 50, that result in a lengthened pre-port (LSR/FOC) interval.

* Verizon stated that their main issue is getting the FOC back in 24 hours or less from some providers.
* Verizon Wireless’ main issue is with non-RBOCs and the address validation fields, next is the local PIC freeze, then instances where the account is not active because the customer disconnected.
* Embarq is building a system to track this issue. Providers meeting the 24 hour FOC is a big problem for Embarq.
* At&t has an issue with providers meeting the 24 hour FOC, too.
* Gary Sacra, Verizon, will draft a contribution for the January 2007 LNPA WG

meeting addressing the issue of some providers not meeting the 24 hour Firm Order Confirmation (FOC) response requirement. The contribution will include the applicable cites from the NANC LNP Provisioning Flows, the FCC’s 2nd Report and Order, and the April 25, 1997 NANC LNPA Technical & Operational Requirements Task Force Report.

* Service Providers are to send to Gary Sacra, Verizon, prior to the January 2007 LNPA WG meeting, any non-carrier-specific data, e.g., % of LSRs not responded to within 24 hours, and any anecdotal information they may have, for inclusion in the contribution referenced above.
* Action Item 0906-15 is closed.
* The next call is scheduled for 11/21, 1-2:30 eastern.

Service Provider Maintenance Window Length:

Action Item 0906-16: Service Providers are to determine if they can support a reduction of the Sunday Service Provider Maintenance Window from the current 10 hours to 8 hours for each Sunday.

* Verizon, T-Mobile, Sprint Nextel, BellSouth, and Cingular expressed support for an 8 hour maintenance window.
* Verizon requested that the window run from 1am-9am Eastern (midnight to 8am Central).
* BellSouth also requested that the window run from 1am-9am Eastern (midnight to 8am Central) and not be reduced to 8 hours until the 1st Sunday in January 2007.
* Embarq’s preference is that the maintenance window length remain at 10 hours because SPID migrations at times still take until the end of the window to complete.
  + NeuStar stated that the quantity of remaining SPID migrations for 2006 is 13, 2, 21, and 6 on the remaining Sundays.
* Syniverse requested to maintain one 10 hour window per month.
* After the discussion, it was agreed that the maintenance window for the 1st Sunday of every month will run from midnight to 10am Central. The rest of the windows will be for 8 hours and run from midnight to 8am Central. NPAC will come up when they do today for the 1st Sunday of the month and two hours earlier than it currently does for the rest of the maintenance windows.
* Action Item 0906-16 is closed.

2007 SPID Migration Schedule & Blackout Dates:

* Following are the SPID Migration blackout dates for 2007:
* 1st Sunday of each month:
  + Jan 7
  + Feb 4
  + Mar 4
  + Apr 1
  + May 6
  + Jun 3
  + Jul 1
  + Aug 5
  + Sep 2
  + Oct 7
  + Nov 4
  + Dec 2
* Holiday blackout dates:
  + President’s Day 2/18/07
  + Easter 4/8/07
  + Memorial Day 5/27/07
  + Thanksgiving 11/25/07
  + Christmas 12/23/07
  + New Year’s Eve 12/30/07

SMURF File SV Counts (Syniverse):

* Syniverse is requesting an actual count of SVs associated with each LRN affected by a SPID migration for audit purposes and the number of records in each SMURF file.
* Syniverse was asked if the count provided prior to the migration was different than the number actually impacted, what would be the next step? Syniverse to provide an answer.
* Regarding Syniverse’s request for an actual count of SVs associated with each LRN affected by a SPID migration for audit purposes and the number of records in each SMURF file, NeuStar is to develop a Change Order for review at the January 2007 LNPA WG meeting.
* Syniverse also requested a count of records contained in BDD files. NeuStar is to develop a Change Order for review at the January 2007 LNPA WG meeting.

**WEDNESDAY 11/15/06**

Wednesday, 11/15/06, Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | John Nakamura | | NeuStar |
| Mark Lancaster | at&t (phone) | Stephen Addicks | | NeuStar |
| Cyd McInerney | at&t | Paul LaGattuta | | NeuStar |
| Ron Steen | BellSouth | Dave Garner | | NeuStar |
| Marian Hearn | Canadian Consortium | Mike Panis | | NeuStar |
| Renee Dillon | Cingular | Jacob Barlow | | Qwest (phone) |
| Adele Johnson | Cingular | Lavinia Rotaru | | Sprint Nextel |
| Nancy Sanders | Comcast | Susan Tiffany | | Sprint Nextel |
| Monica Dahmen | Cox (phone) | Steve Moore | | Sprint Nextel (phone) |
| Cyndi Jones | Embarq | Doug Babcock | | Syniverse |
| Vicki Goth | Embarq | Colleen Collard | | Tekelec (phone) |
| Jane Jackson | Evolving Systems | Dave Cochran | | TelComm Systems (phone) |
| Crystal Hanus | GVNW (phone) | Adam Newman | | Telcordia (phone) |
| Bob Daniels | Hands On Communications | Jason Kempson | | Telcordia |
| Dennis Robins | Integra Telecom (phone) | Paula Jordan | | T-Mobile |
| David Sagor | Level 3 (phone) | Trevor Thompson | | T-Mobile |
| Michael O’Connor | NeuStar | Mohamed Samater | | T-Mobile |
| Tom McGarry | NeuStar | Maggie Lee | | VeriSign |
| Ed Barker | NeuStar | Jason Lee | | Verizon (phone) |
| Charles Ryburn | NeuStar | Gary Sacra | | Verizon |
| Syed Saifullah | NeuStar | Earl Scott | | Verizon (phone) |
| Shannon Sevigny | NeuStar Pooling (phone) | Deb Tucker | | Verizon Wireless |
| Jim Rooks | NeuStar |  | |  |
|  |  |  | |  |

**MEETING MINUTES:**

Change Management Discussion (NeuStar):

* NANC 414 (related to PIM 51)
  + A major question is the source for code ownership. One possibility is NANPA data. A second question is how to associate an OCN with the appropriate SPID. One suggestion is storing OCNs in the SP Profile. A provider expressed concern that we might be moving the error condition to a different location and that this will add significant administrative burden for something that is not happening that often. Change Order 414 was accepted with two objections. We also need to decide what, if anything, we need to do in the short-term, such as a manual audit. There are two parts to the PIM, one to clean up the existing base and keep it clean, and the other to implement a mechanized means of preventing future errors. NeuStar could get the OCNs for each code from NANPA public data. Providers could then provide the OCN to SPID relationship. It was asked if we want to allow providers to see other providers OCN to SPID relationships. NeuStar will further develop NANC Change Order 414 (PIM 51) based on agreements that took place during discussions at the November 2006 LNPA WG meeting. NANC 414 will be reviewed at the January 2007 LNPA WG meeting.
* NANC 363

Action Item 0306-01: With regard to NANC 363, NeuStar will determine if there is a legal need to change the Private Enterprise Number in the ASN.1, currently identifying Lockheed Martin (103), to that of NeuStar (13568).

* NeuStar responded that the cost does not warrant the proposed change. NANC 363 is moved to Cancel Pending. Action Item 0306-01 is closed.
* NANC 412

Action Item 0906-02: With regard to the BDD file for notifications, the Business Type and Timer Type attributes for Object Creation Notifications are not currently part of the BDD file even though they are sent to the SOA over the CMIP interface. Adding them to the BDD file would require changes for both NPAC and any SOAs that have implemented this functionality. NeuStar action to write up a Change Order to add these attributes in the Notification BDD file.

* + Action Item 0906-02 remains open.
* Video Relay Service (VRS) Change Order:
  + Bob Daniels, Hands On Communications, presented the attached NPAC Change Order request in support of VRS.



* + It was explained that when a VRS user turns on their video terminal, the ISP’s network provides an IP address. Software in the VRS user’s video terminal (provided by their VRS provider) then provides that IP address to the VRS provider so a connection is made.
  + The goal of the proposed Change Order request is to utilize a common naming scheme, i.e., a geographic telephone number, for each VRS user.
  + It was stated that the Change Order proposal envisions VRS providers getting TNs from LECs like VoIP providers do today.
  + In order for VRS providers to interoperate, a common database source for mapping TNs to IP addresses is needed.
  + There is an FCC requirement that any VRS provider must be able to reach any consumer.
  + Deaf-to-deaf communication is done today by IMing who you want to communicate with and asking for their IP address.
  + The proposed Change Order was accepted and was numbered NANC 415. Requirements will be discussed on the 12/6/06 conference call. The requirements will be fed to the INC for inclusion in their VRS report to NANC. NS action to develop requirements for 12/6 call. NeuStar is to develop draft requirements for NANC Change Order 415 (Video Relay Service) for review on the December 6th LNPA WG conference call.

Review of NANC LNP Provisioning Flows (NeuStar):

 

Action Item 0906-04: NeuStar will incorporate NANC 388, Undo Cancel functionality, into Figure 9 of the NANC LNP Provisioning Flows and accompanying narrative for discussion at the November meeting. NeuStar will have the draft revised flows out by October 20th.

* The group reviewed new Figure 15 in the attached flows. It was agreed that Box 1 should be changed from End User to Provider. NeuStar took this Action Item.
* Undo Cancel is a standalone operation and that is why there is no breakout point in Figure 9 pointing to Figure 15.
* Action Item 0906-04 is closed.

Action Item 0906-05: NeuStar will incorporate NANC 375, Conflict functionality with Cause Value 50 or 51, into Figure 8 of the NANC LNP Provisioning Flows and accompanying narrative for discussion at the November meeting. NeuStar will have the draft revised flows out by October 20th.

* The group reviewed Figure 8 - Conflict Flow.
* Action Item 0906-05 is closed.

Action Item 0906-18: Service Providers are to determine if/how the NANC LNP Provisioning Flows should address porting to and from VoIP providers for discussion at the November 2006 LNPA WG meeting.

* It was agreed that we will await guidance and a ruling from the FCC before addressing VoIP providers in the NANC flows.
* Regarding the attached draft NANC LNP Provisioning Flows, NeuStar is to:

1. in new Figure 15, change Box 1 from End User to Provider,
2. in Figure 4, add pointer to reseller Figure 5.

These changes will be reviewed on the 12/6/06 LNPA WG conference call.

* Service Providers are to review Figure 8 (Conflict Flow) and Figure 15 (Undo Cancel Flow) of the draft NANC LNP Provisioning Flows for discussion on the 12/6/06 LNPA WG conference call.

Readout of October Failover Exercise (NeuStar):

* NeuStar explained that the annual failover exercise tests two aspects of connection to the NPAC.
  + The first aspect is to shut down the edge routers at the Sterling site and see which providers can fail over to their circuits for the Charlotte site. Those with BGP4 did not have difficulties. NeuStar is working with those that had problems. NeuStar then restored the circuits at the Sterling site and providers reconnected via their Sterling circuits.
  + Next, NeuStar failed over the application from Sterling to Charlotte. Providers were connected to the Charlotte application via their Sterling circuits. There were no problems identified with this aspect of the failover.

Discussion of Need for December Conference Call (All):

#### It was agreed to hold a call on December 6th from 11am to 3pm eastern. The bridge number is 888-412-7808 PIN 23272#

* The agenda will cover the following:
  + VRS Change Order NANC 415 requirements review
  + NANC Flows review
  + Pre-Port Subcommittee readout
  + Best Practices language for Resellers to obtain OCNs

WICIS 4.0 Testing and WTSC (All):

* Teresa Patton, Cingular, volunteered to head up the WTSC for testing WICIS 3.1 (goes into production in April) and WICIS 4.0. It was agreed that a meeting should be held prior to our January 2007 LNPA WG meeting so that a test plan can be developed for 3.1. Mohamed Somater, T-Mobile, will Co-chair. Those wishing to participate should notify Teresa Patton via e-mail at teresa.j.patton@cingular.com
* Teresa and Mohamed will report out at LNPA WG meetings.

Development of November NANC Report (Gary Sacra / Paula Jordan – LNPA WG Co-Chairs):

* The November 2006 LNPA WG Report to NANC will include:
* PIMs status
* PIMs 32 and 50 report
* Reactivation of the WTSC for testing WICIS 3.1 and 4.0.
* Reopened NANC flows to update for NPAC functionality implemented in recent releases
* VRS Change Order NANC 415 accepted. The LNPA WG will develop requirements that will be fed to INC.

Review of September Action Items:



* Item 0906-01: This item has been completed and is Closed.
* Item 0906-02: This item remains Open.
* Item 0906-03: This item has been completed and is Closed.
* Item 0906-04: This item has been completed and is Closed.
* Item 0906-05: This item has been completed and is Closed.
* Item 0906-06: This item has been completed and is Closed.
* Item 0906-07: This item has been completed and is Closed.
* Item 0906-08: This item remains Open.
* Item 0906-09: This item has been completed and is Closed.
* Item 0906-10: This item has been completed and is Closed.
* Item 0906-11: This item has been completed and is Closed.
* Item 0906-12: This item remains Open.
* Item 0906-13: This item has been completed and is Closed.
* Item 0906-14: This item remains Open.
* Item 0906-15: This item has been completed and is Closed.
* Item 0906-16: This item has been completed and is Closed.
* Item 0906-17: This item has been completed and is Closed.
* Item 0906-18: This item has been completed and is Closed.

Action Items Remaining Open from Previous Meetings:

* Item 0605-22: This item has been completed and is Closed. NeuStar will send out a notice to the X-Regional distribution.
* Item 0306-01: This item has been completed and is Closed.
* Item 0606-06: This item has been completed and is Closed.
* Item 0706-06: This item remains Open.
* Item 0706-11: This item remains Open.
* Item 0706-12: This item has been completed and is Closed.
* Item 0706-13: This item has been completed and is Closed.
* Item 0706-15: This item has been completed and is Closed.

Unfinished/New Business:

* Mubeen Saifullah, NeuStar Clearinghouse, submitted the attached PIM seeking to address process issues related to unlocking and migrating 911 records when customers port to VoIP providers.



It was stated that this needs to be addressed in the OBF in the Local Service Migration Guidelines. Mubeen will check with his LSOP participant. Deb Tucker, OBF Wireless Committee Co-Chair, will reach out to the OBF’s LSOP group to determine the status of the Local Service Migration Guidelines (Issue 2951). Gary Sacra, LNPA WG Co-Chair, will contact Rick Jones, the NENA’s liaison to the LNPA WG, to make him aware of the 911 discussion that will take place at the January 2007 LNPA WG meeting.

This PIM was accepted as PIM 59.

* Paula Jordan, T-Mobile, reported that a particular customer is porting frequently, sometimes every other day. Those wishing to know the individual’s name should contact Paula. Deb Tucker, Verizon Wireless, stated that they had a customer that is also working the system.

**THURSDAY 11/16/06**

**ARCHITECTURE PLANNING TEAM (APT) MEETING**

Thursday, 11/16/06, Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | John Nakamura | | NeuStar |
| Mark Lancaster | at&t (phone) | Stephen Addicks | | NeuStar |
| Cyd McInerney | at&t | Paul LaGattuta | | NeuStar |
| Ron Steen | BellSouth | Dave Garner | | NeuStar |
| Barbara Miller | BellSouth (phone) | Mike Panis | | NeuStar |
| Renee Dillon | Cingular | Susan Tiffany | | Sprint Nextel |
| Cyndi Jones | Embarq | Colleen Collard | | Tekelec (phone) |
| Vicki Goth | Embarq | Paula Jordan | | T-Mobile |
| Jane Jackson | Evolving Systems (phone) | Trevor Thompson | | T-Mobile |
| Ed Barker | NeuStar | Mohamed Samater | | T-Mobile |
| Charles Ryburn | NeuStar | Maggie Lee | | VeriSign |
| Syed Saifullah | NeuStar | Jason Lee | | Verizon (phone) |
| Jim Rooks | NeuStar | Gary Sacra | | Verizon |
|  |  | Earl Scott | | Verizon (phone) |
|  |  | Deb Tucker | | Verizon Wireless |
|  |  |  | |  |
|  |  |  | |  |

**APT MEETING MINUTES:**

* Jim Rooks, NeuStar, kicked off the meeting by reviewing the following APT’s Mission Statement, which was developed to guide the APT when it was previously active.

APT Mission Statement: To assess Number Portability industry production technical issues within the purview of the LNPA Working Group and develop recommendations for the strategic direction of the Number Portability architecture.

The current edition of the APT will focus on end-to-end LNP performance, including production needs, large ports, and testing and certification.

* Charles Ryburn, NeuStar, then discussed NeuStar’s effort to meet with providers to discuss increasing maximum NPAC to LSMS throughput rates and provisioning throughput to down to the SCPs. The discussions relate to increasing large port size from 5K to 10K. Providers that they have met with to date are reviewing the proposal internally.
  + It was asked if the request to increase large port size to 25K would be problematic. Charles said that NeuStar would like to increase to 10K and see how that is handled before taking any jump to 25K.
* NeuStar said that some provider LSMSs may acknowledge downloads before they are provisioned downstream in the SCP. NPAC outbound flow control would not kick in and the downloads would continue to queue up in the LSMS.
* It was then asked if there is any way to determine the slowest performing provider end-to-end. There is currently no defined industry test in production or the test bed for end-to-end. It was stated that it would be beneficial to develop an end-to-end test that could be run on production systems during a maintenance window.
* Current NANC 393 requirements for LSMS throughput are 4 transactions per second sustained and 5.2 peak for 5 minutes. 25K TNs in an hour is about 7 per second.
* An LSMS vendor said that it would be prudent to run a test at the current requirements before we run a test at almost double the rate.
* It was stated that providers could periodically place test calls to the last number broadcast and when the call is successful that provider knows roughly the time interval to provision all of the numbers down to the SCP.
* It was suggested possibly utilizing a batch process during a maintenance window to do mass updates in production, similar to a SPID migration. It was pointed out that making changes that affect call routing have an urgent need to be performed nearly simultaneously, more so than SPID migrations.
* NeuStar stated that they have seen 5K in an hour in all regions with no problems. It would be possible to coordinate a modify job across all regions in production using 10K or 15K in each region in an hour. Regarding the discussion of development of production high volume port performance testing, Service Providers are to come to the January 2007 APT meeting prepared to discuss what LSMS to SCP throughput statistics they could share.
* It was suggested that we could include numbers in the update that could be routed to voice mail so test calls could be made to determine the timeframe to propagate the updates down to the SCP.
* In order to contact providers that do not attend LNPA, NeuStar will draft an industry notice of consideration of this test and send to Gary Sacra, LNPA WG Co-Chair for distribution to the LNPA WG distro. NeuStar will then send the notice to the X-Regional.
* We will need to visit the SOA piece later since this mass update exercise will not include SOAs.
* Next APT agenda for January 2007 meeting:
  + Discussion of action items for development of production test exercise
  + Discussion of NFG Forecast
  + Topics for possible review – VRS, CMIP to XML/SOAP
  + NANC 349 – Batch File Processing discussion
  + NANC 397 – Large volume porting discussion

***Next LNPA Conference Call … December 6, 2006, 11am – 3pm Eastern,***

***888-412-7808, PIN 23272#***

***Next LNPA Meeting …******January 9-11, 2007, Jackson, Mississippi – Hosted by Cingular***