LNPA WORKING GROUP

May 2007 Meeting

Final Minutes

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| --- | --- |
| Banff, Canada | Host: Canadian Consortium |

**TUESDAY 05/08/07**

Tuesday, 05/08/07, Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | Marcel Champagne | | NeuStar |
| Joe Cudo | Alltel (phone) | Paul LaGattuta | | NeuStar |
| Mark Lancaster | at&t (phone) | Dave Garner | | NeuStar |
| Ron Steen | at&t | Mike Panis | | NeuStar |
| Adele Johnson | at&t Mobility | Linda Peterman | | One Communications (phone) |
| Marian Hearn | Canadian Consortium | Mary Retka | | Qwest (phone) |
| Nancy Sanders | Comcast | Matt Kohly | | Socket (phone) |
| Chris Brown | Cox | Carol Frike | | Sprint Nextel (phone) |
| Vicki Goth | Embarq | Rosemary Emmer | | Sprint Nextel |
| Laura Drury | Evolving Systems | Susan Tiffany | | Sprint Nextel |
| Therese Mooney | Global Crossing (phone) | Doug Babcock | | Syniverse |
| Lynette Khirallah | NetNumber (phone) | Adam Newman | | Telcordia |
| Jim Rooks | NeuStar | Paula Jordan | | T-Mobile |
| Ed Barker | NeuStar (phone) | Mohamed Samater | | T-Mobile |
| Charles Ryburn | NeuStar | Chipp Nelson | | VeriSign |
| Syed Saifullah | NeuStar (phone) | Gary Sacra | | Verizon (phone) |
| Dara Sedano | NeuStar Pooling (phone) | Earl Scott | | Verizon (phone) |
| John Nakamura | NeuStar | Deb Tucker | | Verizon Wireless |
| Stephen Addicks | NeuStar |  | |  |
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Attached are the Action Items assigned at the May, 2007 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 “MAY 2007 LNPA ACTION ITEMS” FILE ATTACHED ABOVE.

**MEETING MINUTES:**

2007 LNPA WG Meeting/Call Schedule:

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

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| --- | --- | --- | --- | --- |
| **MONTH/**  **DATE**  **(2007)** | NANC | LNPA-WG | HOST | LOCATION |
|  |  |  |  |  |
| January | TBD | 9th-11th | Cingular | Jackson, Mississippi |
| February | TBD | No meeting.  2/12/07 call from 3pm to 5pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| March | TBD | 13th-15th | Comcast | Denver, Colorado |
| April | TBD | No meeting.  4/10/07 call from 10am to 6pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| May | TBD | 8th-10th | Canadian Consortium | Banff, Canada |
| June | TBD | No meeting.  6/12/07 call from 1pm to 5pm Eastern time, dial-in bridge number is 888-412-7808, pin 23272# |  |  |
| July | TBD | 10th-12th | NeuStar | Monterey, California |
| August | TBD | No meeting.  8/7/07 call if necessary |  |  |
| September | TBD | 11th-13th | Verizon Wireless | Franklin, 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 |  |  |
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* 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.

03/07 Meeting Minutes Review:

* No changes were made to the Draft March 2007 LNPA WG minutes and they were accepted as Final.

04/07 Call Minutes Review:

* No changes were made to the Draft April 2007 LNPA WG minutes and they were accepted as Final.

OBF LSOP Committee Update

* No report was given at this meeting. Carol Frike, Sprint Nextel, has replaced Steve Moore and will provide LSOP readouts at future LNPA WG meetings.

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

* OBF 98 took place April 30 - May 4, 2007.

Discussion of Open Issues within the Wireless Committee:

* Issue 3062 - Remove Fax Support From WICIS - a separate Fax document was submitted and discussed. This issue is still open for additional work.
* Issue 3118 - WICIS Support of Wireline Jeopardy Responses - Still on schedule to be worked during OBF 99 in August.

New Issues introduced and worked:

* Issue 3144 - Removal of Delay R Codes 6H and 6J - Carriers are unable to respond to R Codes given for delay reasons. These two R Codes will be removed and the D Codes will continue to be used instead. This issue was accepted and remains open. Expected closure at OBF 99.
* Issue 3145 - Clean up inconsistencies related to Null values in the WICIS Data Dictionary. This issue was accepted and remains open. Expected closure at OBF 99.
* Issue 3146 - Modify OLSP and NLSP data dictionary elements for reseller name conditions. This issue was accepted and remains open. Expected closure at OBF 99.

Intermodal Subcommittee meeting:

* Issue 3065 - LSOP LSOG: Accelerated Port Process - The LSOP committee was not able to work this issue prior to the Intermodal Subcommittee meeting.
* Issue 3029 - WIR: Wireless Documentation for Mapping Between WICIS and LSOG - The Wireless Committee is trying to gather as much information as possible regarding LSOG implementations so that they can determine if any assumptions can be made for intermodal porting. Work is still being done to complete the LSOG to WICIS element mapping. Initial analysis indicates potential for WICIS and LSOG modifications that would improve the porting process. Separate issues will be submitted through the LSOP and Wireless committees for any suggested changes that develop.
* Issue 2943 - WIR: Minimal Data Exchange Number Portability Service Request - After much discussion, the committee agreed to close Issue 2943 with the following Resolution Statement:

When the LNPA referred PIMs 42 and 44 to the OBF, the intention was to address implementation issues. In order to resolve the issue, the wireless and wireline companies were to develop a consistent minimum data set that would be unilaterally implemented. Although the LSOG is a nationally agreed upon guideline, after many discussions, it was determined that no agreement could be reached to resolve this issue due to the following factors:

* 1. The implementation of LSOG is not standardized across wireline providers due to the fact that wireline providers implement LSOG based on their specific business models/requirements.
  2. Changes to LSOG documentation will not require the individual wireline providers to implement a standard data exchange process for porting.

It is important to note that this issue was placed into Initial Closure during the meeting and will go to Final Closure 21 days after notes posting if there are no objections.

* No new Intermodal issues were introduced.
* Next meeting: OBF 99 will take place August 13 - 17, 2007 in San Antonio, TX.

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

* INC Issue 497: NANC requested that INC investigate direct assignment of numbers to VoIP providers. INC went back and looked at the action item from NANC and it asked that INC also look at impacts and related work in ATIS and other industry standards groups. INC may issue a liaison to other industry groups. No new update to this issue at this time.
* INC Issue 506 (Unusable 1K Blocks) 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.

PA Change Order 51 has been approved and will be available to PAS users effective May 21st. Issue 506 will go to final closure on that date.

* INC Issue 510 – Video Relay Service (VRS) Alternatives – This continues to be worked in INC. The Contribution Team is looking at 3 alternatives – ENUM, Direct DNS, and NPAC. The report continues to progress. INC VoIP Committee and FoN leadership met with Consumer Governmental Affairs Bureau and the importance of this issue was expressed.
* 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 Final Closure.
* INC Issue 528 – Testing guidelines for NPA-NXX-X blocks – INC continues to work this issue. One stumbling block is that NIIF guidelines call for testing prior to the effective date and the 1K block is not activated until the effective date. One possible approach is to reflect in the guidelines that for pooled blocks, those providers wishing to test should do so immediately after the effective/activate date, but before assignment to end users.
* INC Issue 532: Kinsale Mobile asked for dedicated assignment of an easily recognizable NPA for charity services. A portion of the call bill would be donated to charity. INC has asked a number of questions, e.g., are numbers portable, as well as billing-related questions. Kinsale did not attend the last INC meeting or respond. INC has sent another inquiry with a request to provide responses by the June INC meeting.
* INC Issue 535: Block contamination information for block returns. Permission was sought and granted from the NAPM LLC for the PA to get reports from the NPAC. INC will proceed with making appropriate changes for this issue.
* INC Issue 539 addresses clarification of section 8.3.6.
* INC Issue 541 addresses how to protect against the porting of numbers from 1K blocks donated to the pool.

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

* Sue Tiffany, Sprint Nextel, provided an update of the NANC FoN Working Group.
* The FoN developed a contribution form (AID Form) and process based on the LNPA WG’s PIM process. This was approved by NANC. The FoN group is now working on several contributions and is working on their report based on these contributions. Issues include:
  + International use of NANP resources
  + Impact of Onstar-like services
  + New and future services.

Wireless Testing Subcommittee (Mohamed Samater, T-Mobile and WTSC Co-Chair):

* Mohamed Samater, T-Mobile and WTSC Co-Chair, reported that vendor-to-vendor testing will be done first for WICIS 3.1.0. WICIS 4.0 is planned for next year.

Architecture Planning Team (APT) Readout (Jim Rooks, NeuStar):

* Jim Rooks, NeuStar, reported on the March 2007 APT meeting.

* The group discussed the positive results of the 10,000 TN modify test results and agreed to hold off for six months before doing the next trial at 15,000 TN operations (the current interface requirements).
* Discussion also took place on the 25,000 TN/hour Change Order NANC 397 submitted by Verizon Wireless.
* The team discussed how we could acquire capacity planning information for the future. Options include:

1. Do an extensive exercise similar to what was done for NANC 393, using NFG data and measurements,
2. Move directly to the 25,000 level request to develop requirements.

* Notification priorities were discussed. Recovery activity generates large volumes of notifications, thus impacting other carriers. A proposal was made to separate notifications generated in recovery to apply lower priority. This is now NANC 419.
* NANC 372 for non-CMIP interface (SOAP/XML) is still being discussed.
* An offline batch process for modifies similar to the SPID migration process was discussed. A major problem identified is keeping all providers in sync.

PIM Discussion:

* 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.



Regarding the attached PIM 32 report submitted to NANC, Gary Sacra, LNPA WG Co-Chair, will send the applicable text to Mohamed Samater, T-Mobile, for inclusion in the LNPA WG’s NP Best Practices document. The added text will be reviewed by the LNPA WG on the June 12th conference call.



Upon receipt of the applicable text from the PIM 32 report to NANC from Gary Sacra, LNPA WG Co-Chair, Mohamed Samater, T-Mobile, will incorporate the text as Item # 48 in the LNPA WG’s NP Best Practices document.

PIM 32 will stay open until review of the NP Best Practices item.

* 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.

At the May 2007 LNPA WG meeting, it was reported that INC Issue 2943 is in Initial Closure without coming to agreement on resolution. A formal response to the LNPA WG is coming from OBF. We will await that response before deciding how to proceed.

* 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.



At the May 2007 LNPA WG meeting, it was reported that INC Issue 2943 is in Initial Closure without coming to agreement on resolution. A formal response to the LNPA WG is coming from OBF. We will await that response before deciding how to proceed.

* 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.

At the November 2006 NANC meeting, NANC recommended that carriers should be following the OBF guidelines. The OBF LSOG guidelines have options for providing a CSR for a TN with or without directory, or the entire account with or without directory.

At the March meeting, the LNPA WG reached consensus to add to the Number Portability Best Practices document text stating that if wireline carriers sent only the information requested in the customer inquiry per the LSOG CSI guidelines, this error would be greatly reduced if not eliminated.

Review of the text for the NP Best Practices document will be reviewed on the June 2007 LNPA WG conference call.

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



NeuStar developed Change Order 414 proposing an automated process to prevent the wrong service provider from opening up a code in NPAC. PIM 51 is now tracking NANC 414 for the automated solution.

Regarding the attached manual process for the attached PIM 51 cleanup in NPAC, Gary Sacra, LNPA WG Co-Chair, will notify the NAPM LLC in the May Project Executive report that the LNPA WG reached consensus at their May 2007 meeting to recommend to the LLC that they request a Statement of Work (SOW) for the manual process from NeuStar. Gary, as LNPA WG Co-Chair, will send a formal request to the LLC.



* 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 accepted this issue (INC Issue 506).



As part of INC Issue 506, the INC made changes to the Thousands Block PA Guidelines and form. PA Change Order 51 has been approved and will be available to PAS users effective May 21st. Issue 506 will go to final closure on that date.

* 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.

The pre-port interval is being addressed in the Pre-port Subcommittee. The subcommittee will propose minor changes to the flows and narrative.

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



Mubeen Saifullah, NeuStar Clearinghouse, introduced an issue in the OBF’s Wireless Committee to support jeopardies for possible implementation in WICIS Release 4.1. This issue is now in a tracking state awaiting inclusion in WICIS Release 4.1, which will likely be deployed sometime in 2009.

* 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.



Regarding the attached draft process addressing PIM 56, Sue Tiffany, Sprint Nextel, will revise the document to add a step between Steps 2 and 3 stating that the NNSP checks to make sure that NPAC data is correct. The PIM 56 issue and the resolution steps will be placed in the NP Best Practices document when finalized. This will be reviewed and finalized on the June 12th conference call.



The LNPA WG is awaiting permission from NIIF to put their document link in our Best Practices.

* 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.



Cingular has developed a port authorization form that they are going back to get their resellers to sign so that if they go out of business, they can legally port the customers. The attached form was presented by Cingular at the March 2007 LNPA WG meeting.



Sprint Nextel has created a checklist to encourage their resellers not to abandon their customers and provide them with options. This checklist was presented by Sue Tiffany, Sprint Nextel, at the March 2007 LNPA WG meeting.



Service Providers are to review the attached contributions from Cingular (Authorization Form v1.doc) and Sprint Nextel (Revised Bankruptcy Checklist.doc) for discussion at the May 2007 LNPA WG meeting. Action Item 0307-17 remains open.

* 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.



Text for the NP Best Practices document will be reviewed on the June 12th LNPA WG conference call.

* PIM 59 – This PIM, submitted by the NeuStar Clearinghouse Vendor, seeks to address issues related to the unlocking of the 911 database when numbers are ported to VoIP providers.



Text for the NP Best Practices document will be reviewed on the June 12th LNPA WG conference call.

* PIM 60 – This PIM, submitted by Socket Telecom, requests that the LNPA WG provide an opinion on whether or not a customer, who is physically relocating to a different Rate Center, should be allowed to port their number.



At the May 2007 LNPA WG meeting, the group reviewed the criteria necessary for this to be considered a legitimate porting scenario. Matt Kohly, Socket, agreed that these bullets were accurate. Gary Sacra, LNPA WG Co-Chair, will add, “This customer will be served out of the Socket FX tariff” to Bullet 5 below. These bullets serve as the agreed-upon caveats in order for the LNPA WG to consider the port request outlined in PIM 60 to be a legitimate request.

* + The Socket customer would like to receive calls to their Willow Springs number(s) at a location of theirs that is physically outside of the Willow Springs Rate Center.
  + The customer understands that these numbers must continue to be rated as Willow Springs numbers and does not want them to take on the rating characteristics of the Rate Center of their new location.
  + Socket already serves the Willow Springs Rate Center out of the same switch to which they want to port this customer's Willow Springs number(s).
  + The Socket switch that already serves the Willow Springs Rate Center has an existing POI at the ILEC's tandem over which calls to Willow Springs-rated numbers are routed. If this customer's Willow Springs number(s) are ported into the Socket switch, they would be routed over the same POI, and then Socket would deliver the calls to the customer's premise that is located outside of the Willow Springs Rate Center.
  + Socket has a tariffed Foreign Exchange (FX) service that would cover this situation. Calls to and from customers located in the Willow Springs exchange and the customer served by Socket will be routed exactly the same whether Socket assigns the customer a phone number from its 1K block of Willow Springs numbers or whether Socket ports the numbers.
  + The LSR submitted by Socket reflects the customer’s original service location as recorded by the Old SP.

At the May 2007 LNPA WG meeting, consensus was reached that this is a legitimate port request if each of these caveats outlined above are satisfied.

Gary Sacra, LNPA WG Co-Chair, will respond via e-mail to Century Tel’s request to modify the April 2007 meeting minutes to document their objections.

NOTE: This Action Item was completed on 5/14/07. The response to Century Tel indicated that their comments will be documented in the May 2007 LNPA WG minutes since they were discussed during the May 2007 meeting.

Louisiana 504 & 985 RC Consolidation and Realignment (All):

* NPA 985 numbers that are moving to NPA 504 will have an NPA change, but NXX 238 has already been assigned in NPA 504, so they will have to have a 10-digit number change. Cingular has 985-238. They have applied for 504-644 to replace 985-238.
* Carriers should delete their 985-238 numbers in the NPAC upon mandatory dialing.
* It was stated that notices will have to go out to customers for those having to take a number change.
* From an LNPA WG perspective, if the 985-238 customers have permissive dialing for both old and new number, any 985-238 numbers that are already ported or that port during permissive dialing period will have both numbers ported and the 985-238 ported numbers will have to be deleted at the end of permissive.
* It was stated that there are 68 ported numbers in 985-238. Four carriers have these numbers.
* Steve Addicks, NeuStar, will contact Wayne Milby, NANPA, to send out a notice for the next meeting of the subcommittee that is discussing this LA activity.

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



* Sue Tiffany, Sprint Nextel, and Nancy Sanders, Comcast, walked the group through the revisions to the NANC LNP flows proposed by the Pre-Port Subcommittee. There were no objections to removing Loss Alert from the flows.
* The Pre-Port Subcommittee will continue to work on proposed changes to Figures 3 and 5.

Capacity Management Discussion (NeuStar):



* NeuStar presented the attached report on occurrences of flow control.
* The 1st table reflects how many times in the month the provider went into flow control.
* The 2nd table reflects the number of seconds in the month the provider was in flow control.
* NeuStar stated that these numbers do not indicate a serious problem and recommended continued monitoring. NeuStar also recommended an eventual 15K stress test sometime in the mid-September to end of October 2007 timeframe.

**WEDNESDAY 05/09/07**

Wednesday, 05/09/07, Attendance:

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| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | Marcel Champagne | | NeuStar |
| Joe Cudo | Alltel (phone) | Paul LaGattuta | | NeuStar |
| Mark Lancaster | at&t (phone) | Dave Garner | | NeuStar |
| Ron Steen | at&t | Mike Panis | | NeuStar |
| Adele Johnson | at&t Mobility | Mary Retka | | Qwest (phone) |
| Marian Hearn | Canadian Consortium | Susan Tiffany | | Sprint Nextel |
| Nancy Sanders | Comcast | Doug Babcock | | Syniverse |
| Chris Brown | Cox | Colleen Collard | | Tekelec (phone) |
| Vicki Goth | Embarq | Adam Newman | | Telcordia |
| Laura Drury | Evolving Systems | Paula Jordan | | T-Mobile |
| Therese Mooney | Global Crossing (phone) | Mohamed Samater | | T-Mobile |
| Lynette Khirallah | NetNumber (phone) | Chipp Nelson | | VeriSign |
| Jim Rooks | NeuStar | Gary Sacra | | Verizon (phone) |
| Ed Barker | NeuStar (phone) | Earl Scott | | Verizon (phone) |
| Charles Ryburn | NeuStar | Deb Tucker | | Verizon Wireless |
| Syed Saifullah | NeuStar (phone) |  | |  |
| Dara Sedano | NeuStar Pooling (phone) |  | |  |
| John Nakamura | NeuStar |  | |  |
| Stephen Addicks | NeuStar |  | |  |
|  |  |  | |  |

**MEETING MINUTES:**

April NANC Readout (Gary Sacra, LNPA WG Co-Chair):

* Gary Sacra, LNPA WG Co-Chair, reported that the NANC, at their April 17th meeting, accepted the attached revised LNPA WG Issues Status Matrix and gave very positive feedback. It was also reported to NANC that the LNPA WG had reached consensus on placing resolution text on PIM 32 and the 24 Hour FOC Position Paper, as outlined in the attached documents, in the NP Best Practices document. NANC Chair Tom Koutsky asked that he be informed when these issues were placed in the NP Best Practices document.



Change Management Discussion (NeuStar):



* The group briefly touched on NANC 372. At the March 2007 LNPA WG meeting, more discussion took place regarding an additional NPAC interface using XML/SOAP. For the May 2007 meeting, Service Providers and vendors are to bring any additional data or information to share with the group. This Change Order will be discussed in further detail in the APT meeting tomorrow.

* NANC 414
* Update of the code assignee table to be weekly.
* Any discrepancies must be resolved by the appropriate SP. In most cases, this will require the code holder to correct the NANPA’s code assignee record before the NPAC can change the code assignee value that is used by the NPAC for the code validation process defined in this change order.
* There were no objections to displaying the OCN to SPID relationship on the secure website.
* Edits to include:
  + - 4 characters
    - valid NPAC SPID
    - OCN is not assigned to another carrier
      * SPs responsibility to resolve with other carrier
      * Error message would include both OCN and SPID
* This OCN to SPID mapping would be part of the SP profile. Question do we want this to be modifiable over the CMIP interface? Action for SPs and local system vendors to determine. As an alternative, it could be modified via the LTI or NPAC Help Desk.
* Action for SPs to develop their OCN to SPID relationship on a region basis for discussion at the July 2007 meeting.
* Action Item 0307-16: Regarding the attached PIM 51, Service Providers are to determine if a manual cleanup of codes opened in the NPAC by the incorrect provider and ongoing maintenance of the OCN – SPID relationship is cost justified. This will be discussed at the May 2007 LNPA WG meeting.



* + - No – T-Mobile and at&t.
    - Yes – VZW and Sprint proposed doing a manual clean up every 6 months.
* The group then reviewed the attached manual process develop previously by the PIM 51 Subcommittee.



* at&t objected to going to the LLC and asking for a SOW for a manual process. Gary Sacra, LNPA WG Co-Chair, will notify the NAPM LLC in the May Project Executive report that the LNPA WG reached consensus at their May 2007 meeting to recommend to the LLC that they request a Statement of Work (SOW) for the manual process from NeuStar. Gary, as LNPA WG Co-Chair will send a formal request to the LLC.
* NANC 417 and 418
  + Syniverse stated that they are ok with how these Change Orders are documented.
* NANC 419 would allow an SP to determine the priority of notifications received as a result of another provider in recovery.
* NANC 420 is a doc only change.
* NANC 421 updates the ASN.1 for SV Type 4 for pre-paid wireless. A local system vendor stated that local systems may not display “pre-paid wireless” but only SV Type 4 because the ASN.1 has not been updated yet.
* NANC 413 Event ID Rollover Issue
  + Action Item 0307-15: Related to Action Item 0307-03, all Local System Vendors are to verify whether they need to make system changes as a result of the Event ID Rollover issue upon performing the testing addressed in Action Item 0307-03. This will be discussed on the April 10th LNPA WG conference call.
    - Telcordia has no issues. Tekelec, Evolving Systems, and VeriSign require a change as defined in NANC 413.
    - NeuStar stated that Object IDs other than Action IDs are probably years away from rollover. They are manually addressing Action IDs to ensure transparency for SP systems at this time.
    - If a local system treats the ID as a signed integer, it must support negative numbers.
    - Action Item 0307-15 is closed.
    - Question to local system vendors – when will they roll necessary changes into production?
      * Evolving said that all but two of their customers will get the patch this week. The 2 remaining customers will get the patch the week of June 7th.
      * Tekelec is rolling into the next release this summer (August). They will schedule interop testing with NeuStar with the changes in their next release.
      * Regarding any local system changes required to address the Event ID rollover issue as defined in NANC 413, Local System Vendors and Service Providers are to provide a monthly status on the implementation of this change until complete.
      * At a future TBD date, NeuStar will contact those providers from which the LNPA WG has received no status reports to determine whether they also have made the necessary local system update to resolve the Event ID rollover issue as defined in NANC 413.
      * NeuStar will look into possibly putting a boundary check in new release testing.

NANC 299



* In early morning hours, some provider associations are being aborted due to invalid sequence numbers. Release 3.3 implemented a heartbeat message that contains a sequence number that NPAC treats independently from the other sequence number. Some provider systems consider them to be the same sequence number. NPAC will add in the SP profile whether the provider considers them to be the same and react accordingly. Planned for an NPAC point release in June.
* Service Providers are to check to see if they support the Application Level Heartbeat message and ensure that their profile in NPAC is consistent.

SPID Migration Discussion (NeuStar):

* In response to a question previously asked, NeuStar stated that the deadline for making changes to a SPID migration is 5pm Saturday the day before the day of the migration. Cancellations of all migrations in a region can be done almost up until the time of the migration because it just means no SMURF files will be created. Later than that for changes can be accommodated but could delay creation and distribution of the SMURF files. NeuStar is to determine how much of a delay in creating and delivering SPID migration SMURF files will result if they have a late cancellation of a provider’s migration out of a set of SMURF files. The scenario to be analyzed is 5 providers are doing migrations and one of them is cancelled at 11:45pm the Saturday night before the migration.

2007 Meeting/Call Schedule (All):

* Attached is the current 2007 LNPA WG schedule.



Discussion of Need for June Conference Call (All):

#### It was agreed to hold a call on June 12th from 1pm to 5pm eastern. The bridge number is 888-412-7808 PIN 23272#

* The agenda will consist of:
  + Best Practices review:
    - PIMs 32, 50, 56, 58, 59
    - 24 hour FOC issue
  + Status of Event ID rollover issue
  + PIM 60
  + OBF response on Issue 2943 if we receive it

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

* The next NANC meeting has not been scheduled at this time.

Review of March 2007 LNPA WG Action Items:



**March 2007 LNPA WG Action Items:**

* Item 0307-01: This item has been completed and is Closed.
* Item 0307-02: This item has been completed and is Closed.
* Item 0307-03: This item has been completed and is Closed.
* Item 0307-04: This item has been completed and is Closed.
* Item 0307-05: This item has been completed and is Closed.
* Item 0307-06: This item has been completed and is Closed.
* Item 0307-07: This item has been completed and is Closed.
* Item 0307-08: This item remains Open.
* Item 0307-09: This item remains Open.
* Item 0307-10: This item remains Open.
* Item 0307-11: This item remains Open.
* Item 0307-12: This item has been completed and is Closed.
* Item 0307-13: This item has been completed and is Closed.
* Item 0307-14: This item has been completed and is Closed.
* Item 0307-15: This item has been completed and is Closed.
* Item 0307-16: This item has been completed and is Closed.
* Item 0307-17: This item remains Open.
* Item 0307-18: This item has been completed and is Closed.
* Item 0307-19: This item has been completed and is Closed.
* Item 0307-20: This item has been completed and is Closed.

**March 2007 APT Action Items:**

* Item 0307-21: This item has been completed and is Closed.
* Item 0307-22: This item has been completed and is Closed.
* Item 0307-23: This item has been completed and is Closed.
* Item 0307-24: This item remains Open.

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

* Item 0605-22: This item remains Open.
* Item 0706-06: This item remains Open.
* Item 0706-11: This item has been completed and is Closed.
* Item 0906-12: This item remains Open.
* Item 0906-14: This item remains Open.

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

* None remain open at this time.

Review of April 2007 Action Items:

* No Action Items were assigned on the April 2007 LNPA WG conference call.

Unfinished/New Business:

* No unfinished or new business was raised.

**THURSDAY 05/10/07**

**ARCHITECTURE PLANNING TEAM (APT) MEETING**

Thursday, 05/10/07, Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| Tina Plaisance | Alltel (phone) | Marcel Champagne | | NeuStar |
| Mark Lancaster | at&t (phone) | Dave Garner | | NeuStar |
| Ron Steen | at&t | Mike Panis | | NeuStar |
| Marian Hearn | Canadian Consortium | Mary Retka | | Qwest (phone) |
| Chris Brown | Cox | Susan Tiffany | | Sprint Nextel |
| Vicki Goth | Embarq | Colleen Collard | | Tekelec (phone) |
| Laura Drury | Evolving Systems | Jason Kempson | | Telcordia (phone) |
| Jim Rooks | NeuStar | Adam Newman | | Telcordia |
| Charles Ryburn | NeuStar | Paula Jordan | | T-Mobile |
| John Nakamura | NeuStar | Mohamed Samater | | T-Mobile |
| Stephen Addicks | NeuStar | Jason Lee | | Verizon (phone) |
|  |  | Gary Sacra | | Verizon (phone) |
|  |  | Earl Scott | | Verizon (phone) |
|  |  | Deb Tucker | | Verizon Wireless |
|  |  |  | |  |

**APT MEETING MINUTES:**

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.

NANC 349 Review (Action Item 0307-24) (All):

Action Item 0307-24: APT Participants are to review NANC Change Order 349, which proposes investigating a batch processing alternative to generating all messages associated with large porting activity and sending them across the interface, and come prepared to discuss at the May 2007 APT meeting.

* It was agreed that all activity affecting call routing and TCAP message routing needs to be synchronized and performed in real time and not a candidate for batch processing.
* Action Item 0307-24 stays open. This discussion topic will be on the July 2007 APT agenda.

NANC 372 Review (Next Steps) (Action Item 0307-23) (All):

Action Item 0307-23: APT Participants are to review NANC Change Order 372, which proposes investigating additional alternatives to the CMIP protocol, and come prepared to discuss at the May 2007 APT meeting.

* It was stated that the XML message size is larger than CMIP message size, but compression is possible.
* One concern is how we would handle large messages such as audits which could exceed 1 meg in CMIP.
* Action Item 0307-23 is closed.
* It was agreed that we need to develop a business case-like analysis in order to possibly move this forward.
* LNPA Working Group Participants are to review NANC 372 and the discussions that took place regarding its benefits/pros and cons for discussion at July 2007 APT meeting.
* Sue Tiffany, Sprint Nextel, and Deb Tucker, Verizon Wireless, are to investigate if ATIS developed a business case to justify the migratation from CORBA to SOAP/XML.

Discussion of Notification Prioritization (Action Item 0307-22) (All):

Action Item 0307-22: Regarding the discussion of notification prioritization to address the issue of large volumes of notifications generated as a result of providers entering recovery, NeuStar will work with Cingular to develop a NANC Change Order for presentation to the LNPA WG’s APT.

* NANC 419 will be on the June 2007 call agenda.
* The APT will recommend to the LNPA WG on the June call that we accept NANC 419.
* Action Item 0307-22 is closed.

NANC 397 Review (Next Steps) (Action Item 0307-21) (All):

Action Item 0307-21: Regarding NANC Change Order 397, NeuStar will identify LSMS and SOA throughput requirements to support 25K TNs per hour. The assumption will be that these would be singles, i.e., one message is equal to one TN.



* The group reviewed the revised NANC 397 requirements to support 25K/hour in the Change Management document attached above.
* NeuStar stated that providers were not using more than 25% of their T1 bandwidth during the 10K exercise. T1 capacity should not be an issue for 25K in an hour.
* It was stated that if we did not have a requirement to back out during the night we could meet the 25K in an 8 hour period today. It was suggested that we should explore a faster way of backing out – perhaps a new message over the interface that could reverse what was done. NeuStar will provide a writeup for the July 2007 APT agenda.
* Action Item 0307-21 is closed.

Action Item Review/Topics/Agenda for Discussion at Next Meeting:

Next APT agenda for July 2007 meeting:

* NANC 349
* NANC 372
* NANC 397
* NANC 419 - Notification prioritization Change Order
* NANC 408 – action for all to review for July APT meeting.

***Next LNPA WG Conference Call … June 12, 2007, 1pm – 5pm Eastern,***

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

***Next LNPA WG Meeting …******July 10-12, 2007, Monterey, California – Hosted by***

***NeuStar***