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| **Illuminet** | **Overland Park, KS** | **Host: Illuminet** |

**Tuesday November 13, 2001     1:00 pm – 5:00 pm**

Attendance:

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| --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** |
| Paul LaGattuta | AT&T | Marian Hearn | Canadian Constortium |
| H.L. Gowda | AT&T | Jean Anthony | Telecom Software |
| Cindy Sheehan | AT&T Broadband (phone) | John P. Malyar (phone) | Telcordia Technologies |
| Anne Cummins | ATW | Colleen Collard | Tekelec |
| Dave Cochran | BellSouth (phone) | Dave Garner | Qwest (phone) |
| Ron Steen | BellSouth | Gary Sacra | Verizon |
| James Grasser | Cingular Wireless | Jason Lee | WorldCom |
| Jeannie Hatchett | Cox (phone) | Stacy Murray | Sprint PCS  |
| Ron Stutheit | ESI | Patrick Lockett | Sprint |
| Jan Spitzer | Qwest | Steve Addicks | WorldCom |
| Maggie Lee | Illuminet | Jane Quenk | Neustar |
| Jan Dempsey | Illuminet | Marcel Champagne | Neustar |
| Rick Jones | NENA (phone) | Sharon Bridges | Verizon (phone) |
| Gustavo Hannecke | Neustar | Dennis Robbins | ELI (phone) |
| Rob Coffman  | Neustar (phone) | Robert T. Jones | US Cellular Corp. |
| Gene Johnston | Neustar | Dale A. Samuels | Qwest Wireless/IT |
| Charles Ryburn | SBC | Richard Scheer | Neustar |
| Leah Luper | SBC | Mary Briend | Sprint PCS |
| Dawn Lawrence | XO (phone) | Jim Rooks | Neustar |

**Review of Previous Month’s Minutes:**

The team reviewed the October meeting minutes and corrections were made.  They are now marked as final and will be distributed with the draft of the November minutes.

**Problem / Issues Management (PIMs):**

**PIM-1:   Porting with Resellers.**

The LNPA WG reviewed the changes that NNPO made to the NANC flows.  These changes were made to the wireline NANC flows.  Some questions were raised relating to the need to confirm that "official" NANC flows were used.  The "official" NANC flows have the date of 4/25/97, and these flows need to be sent to Neustar for posting on their web site.  Dave Garner, Dennis Robbins and Gary Sacra offered to look for the "official" NANC flows and send them to Charles Ryburn for submission to Neustar for posting.

**Action Item: Charles Ryburn will send the official NANC flows to Neustar for posting on their web site.**

**Action Item: Steve Addicks will review NNPO changes relating to the reseller's involvement in the process.  He will make editorial updates only, to incorporate the NNPO changes, along with any other PIM changes that have occurred since the original flows were documented.**

**PIM-5:   Unilateral Back-out of Inadvertent Port.**

We are waiting for an update on the modification to the NIIF guidelines.  Also, the NAPM LLC is expected to vote on SOW 19 during their December meeting.

**PIM-6:   Modify 911 Record Migration Process & End User Move Indicator (EUMI)**

The NENA representative said that the group was working to tighten up language relating to this process.  The language would state that the new service provider would be in control of the lock and migrate feature in the E911 database. The NENA subcommittee should give their final approval to the new language in their February 2002 meeting.

**PIM-9:  Inter-Carrier Trouble Reporting**

This PIM is closed.

**PIM 11: Moving Blocks between Switches**

This PIM has been referred to INC and the issue number is 319.

**PIM 12: Operator Service Functionality**

James Grasser provided the current status of the OBF issue and will continue to do so at subsequent meetings.  This PIM is for tracking only.

**PIM 13:  Premature Disconnects**

Cindy Sheehan was not in attendance to provide the group with  her presentation on the latest status.  Charles Ryburn will contact Cindy for the current status.

The group had a long discussion relating to how and when disconnects should occur.  The following are some of the different interpretations of the NANC flows:

·         The Sprint representative  stated that his company was doing a cost analysis study on using the NPAC notices (query on the NPAC). He said that Sprint Local is disconnecting on the due date at 11:59 PM.  Some of the group viewed this as DD+1, for non-coordinated ports with a ten-digit trigger.

·         The BellSouth representative said his company is using the NPAC activation notice to start there disconnect process.  This will open the E911 database for updates/changes.

·         The Qwest representative said his company looked into changing their systems to using the NPAC activation notice, but at this time it looks very expensive.  They are looking into the due date plus one.

·         Rick Jones offered to take this issue to the NENA committee asking for their input as to the delay in E911 update where DD+1=24 hours past actual due date.

·         WorldCom had asked that an NANC process flow ambiguity be clarified concerning what should trigger an old SP's removal of its switch translations for a ported-out number.

The WorldCom contribution described the problem and suggested there could be two alternatives to avoid a premature disconnect situation.  It appears that a process that delays the old SP's removal of its switch translations until a day or more after the due date shown on LSR will solve the problem  about (Dennis Robbins did not agree) as effectively as a process in which the old SP first confirms there was an NPAC activation.  (see attachment from Steve Addicks).

**Action Item: Service providers were asked to go back to their companies and review how disconnects are being handled today.  At the December meeting, these service providers, if they would like to share their findings, would present them to the group, as input to help resolve this PIM.**

**Action Item: HL Gowda requested that the service providers consider their support for the following options and describe how they would handle the E911 database updates:**

**1)       Discuss Due Date + 1 Full Day after the DD, e.g. 24 hours past midnight of the DD.**

**2)       Service providers wait until they receive the NPAC activation notice before doing there disconnects.**

**PIM 14:  NXX Codes Ownership Changes**

This PIM has been referred to the INC as issue number 295 and is in initial closure.

**PIM 15:  Disconnect of NXX Code with Ported TNs**

This PIM has been referred to INC.

**PIM -16 (New) Removing Portability Designation on NXXs in the LERG**

This is a new PIM that addresses instances where the codeholder has removed the portability indicator in the LERG on an NPA-NXX that was originally opened as a portable code.  The issue is being worked in the Common Interest Group on Rating and Routing (CIGRR Issue No. C083).

**Wednesday November 14,  8:30 – 5:00pm**

Attendance:

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| --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** |
| Paul LaGattuta | AT&T | Marian Hearn | Canadian Constortium |
| H.L. Gowda | AT&T | Jean Anthony | Telecom Software |
| Cindy Sheehan | AT&T Broadband (phone) | John P. Malyar (phone) | Telcordia Technologies |
| Anne Cummins | ATW | Colleen Collard | Tekelec |
| Dave Cochran | BellSouth (phone) | Dave Garner | Qwest (phone) |
| Ron Steen | BellSouth | Gary Sacra | Verizon |
| James Grasser | Cingular Wireless | Jason Lee | WorldCom |
| Jeannie Hatchett | Cox (phone) | Stacy Murray | Sprint PCS  |
| Ron Stutheit | ESI | Patrick Lockett | Sprint |
| Jan Spitzer | Qwest | Steve Addicks | WorldCom |
| Maggie Lee | Illuminet | Jane Quenk | Neustar |
| Jan Dempsey | Illuminet | Marcel Champagne | Neustar |
| Rick Jones | NENA (phone) | Sharon Bridges | Verizon (phone) |
| Gustavo Hannecke | Neustar | Dennis Robbins | ELI (phone) |
| Rob Coffman  | Neustar (phone) | Robert T. Jones | US Cellular Corp. |
| Gene Johnston | Neustar | Dale A. Samuels | Qwest Wireless/IT |
| Charles Ryburn | SBC | Richard Scheer | Neustar |
| Leah Luper | SBC | Mary Briend | Sprint PCS |
| Kevin Lewis | Verizon (phone) | Jim Rooks | Neustar |
| Lisa Marie Maxson | TSE (phone) | Dawn Lawrence | XO (phone) |
| John Lenns | Tekelec (phone) | Beth Watkins | AT&T (phone) |

**Change Management/Testing**

 We reviewed the e-mails/attachments that were sent to the group prior to the meeting.

Jean Anthony will open a NANC Change Order relating to the LSMS interface table.  Neustar suggested that a NANC Change Order should document only what is in place today.  One of the vendors said, this is more than a documentation change.

**Action Item: Jean Anthony will open two NANC Change Orders.  The first Change Order would document a minimum set of filters in Section 4.2 of the GDMO.  The second Change Order would look at all of the current filtering on both sides of the LSMS.**

The NANC Change Order 328 in the Release 3.1 M&P document (page 6), section 2.4 "The Long & Short Business Days Tunable" will need to go to the NAPM LLC.  One of the service providers asked about the short t1 & t2 timers (relating to LLC).

**Release 3.1 Update – Contingency Plan:**

Contingency Plan (Back-Out Process) was discussed and a handout was provided.  The Northeast Region, is the only region where a switch back can occur to the earlier software (Version 3.0.7), from Release 3.1.  The other regions do not have the same ability to make this change.  One impact will be on SOA notifications, because Release 3.1 messages are prioritized and the Release 3.0 are not prioritized.  It was stated that a role-back of software would have an impact on the industry, if a vendor has updated their system.  Neustar advised the group that all of the service providers would need to develop their own network/system "back-out" plan.

The question was raised, if all of the vendors have requested testing dates.  Neustar responded "no!"

One service provider asked why is the Release 2.0 test-bed down, from November 15th through the 25th.  It was stated that Neustar needed to use some of the hardware from the other test-beds (Release 2.0).  The service provider went on to say; there was no advanced warning that these test-beds were going to be taken away.  This will delay the service providers' ability to do their testing.  Neustar knew about this on Friday (11/9) and did not advise the service providers until late yesterday (11/13).  Another service provider  said that his vendor was delivering new software this week, and did not know that this was going to happen.

**LSMS ITP Testing Discussions:**

Who has the final say on Release 3.1 Interoperability testing guidelines? Neustar asked if it was the LNPA WG that wrote the testing requirements?  The final approval of the interoperability-testing requirement is the NAPM LLC.  One service provider said, if the SOA or LSMS was changed, then we need to do the interoperability testing.

The following agreement was reached:

***Interoperability and Regression Testing Guidelines***

The LNPA-WG recommends that ITP regression tests be done, to certify new vendor/service provider SOA and LSMS software and to re-certify deployed vendor/service provider SOA and LSMS software, whenever an NPAC release changes the ASN.1 or GDMO files.

**Action Item: Dave Garner suggested that the above language be sent to the NAPM LLC for their review, and if accepted, placed in the SOW 24.  The suggestion was made to update the ITP guidelines based on the above statement.  Charles Ryburn will send a letter to the NAPM LLC requesting their review.**

**Recovery  - Length of Interval Requested:**

This issue concerns the process used by some vendors' LSMS equipment during the recovery process, when a User's system is coming back on line.  The NPAC FRS (Functional Requirements Specification)

says that NPAC will accept a request for data covering a specific period of time.  The value is tunable, but has been set to "one hour" for the past several years.

Today, it was clarified that the FRS does not specify requirements for this value in the NPAC Users' systems, but the expectation is that the LSMSs would not make requests for more than one hour of data during recovery.  The NPAC will "deny request" for a request of more than a one hour interval made by User during the User's "recovery" process.  When User's system receives NPAC's "denied request" message, it will cut the requested interval in half and try again.  This process is repeated until the requested interval is small enough.  Then the whole process begins again for the remaining interval.  The result is unnecessary 100s of requests when a handful should suffice; the added load on NPAC delays recovery process for all users attempting to do a recovery at the time.

Neustar has discussed this with the two LSMS vendors at length.  One is going to change its software to reduce the requested interval to one hour.

**Wireless Number Portability Operations Report:**

New vendor letters (first time to receive letter)

Decision matrix on NPAC web site

New timeline will be presented to NANC

Letter to the NANC saying that they (WNPO) will send a letter directly to the FCC

New Business items

·         Service Order between wireline and wireless

·         Re-homing central office codes in a wireless environment

·         No change in number of SPs that have tested or contacted tested

·         WNPO will send a letter to NAPM LLC requesting that the Release 3.1 schedule not to change after it is published.

·         Ron Steen BellSouth gave a presentation on Type 1 Number conversion.

·         Risk assessment document was reviewed and it is estimated that the document will be presented to NANC (another WNPO meeting is scheduled in December).

·         The wireless service providers plan to use the BFR process for code opening requests.  They may use a vendor to provide a clearinghouse arrangement.  Also, putting together a checklist.

**Action Item: PIM 12 Operator Service Functionality is on the agenda for an update from James Grasser every month.**

James Grasser covered the "Mix and Match" agenda item.  He asked Neustar if the t1 & t2 timers could be mixed (set for different times) within a region.

**Action Item: Neustar will report back to us at the next meeting, as to what can be done in the way of "Mix & Match."**

James Grasser provided the following information for the January 2002 LNPA WG Meeting hosted by Cingular Wireless:

January 7 - 10th, 2002

Hyatt Orlando in Kissimmee Florida (800 633-7313)

$99.00 per night rate is good for 3 days prior and 3 days after meeting dates.  Please stay at the Hyatt since Cingular has guaranteed a certain number of people for $99.00 rate.

Must call hotel directly and reference "Cingular LNP Meeting."

Reservation can be make between 11/15 - 12/13.

**The cut-off date is 12/13.**

**Wireless Taskforce Pooling Committee  - Anne Cummins AT&T Wireless:**

Barry Bishop and Amy Putman from Neustar described Native Block pooling and how the Pool Administrator (PA) would interact with the wireless service providers.  The wireless service providers would use the PA to acquire new codes in pooled rate centers (insert the PA in the process between the NANPA and the SP).  It is a controlled way to manage the high volume workload (150 NPAs pooled in November 2002) in advance.  This subcommittee expects to have a draft outline on 12/7 and will continue to work on it during the December meeting.

**Thursday November 15, 8:00 – 12:00 pm**

Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** |
| Paul LaGattuta | AT&T | Marian Hearn | Canadian Constortium |
| H.L. Gowda | AT&T | Jean Anthony | Telecom Software |
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| Anne Cummins | ATW | Colleen Collard | Tekelec |
| Dave Cochran | BellSouth (phone) | Dave Garner | Qwest (phone) |
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| Rob Coffman  | Neustar (phone) | Robert T. Jones | US Cellular Corp. |
| Gene Johnston | Neustar | Dale A. Samuels | Qwest Wireless/IT |
| Charles Ryburn | SBC | Richard Scheer | Neustar |
| Leah Luper | SBC | Mary Briend | Sprint PCS |
| Jill Byers | Bell Canada (phone) | Jim Rooks | Neustar |

**Long Term Interface Solution:**

Neustar was asked, what is the expected impact of the new hardware configuration coincident with Release 3.1? Colleen Collard said that the first time the vendors heard about the hardware change was in October.

Then the suggestion of how will Neustar correlate multiple-associations was brought up, then correlate the messages that are sent, and then re-associate (re-sync the messages properly)?

The Northeast will be the big decision point when the new Release 3.1 software is installed.

HL Gowda asked the service providers, if the expected throughput improvement, of 3-4 times, will adversely effect other service provider systems?  Charles said that Neustar has stated in the past, they will only deliver what can be handled.  Another question related to an estimate of the offered load?  This question was directed to the vendors. One service provider said that the average download over the interface in a 15-minute interval was a little above 1 TN per second.  The peaks are the more difficult problem.  One vendor said they looked at the busy hour volume in 1 hour increments.  Service providers expressed is concerned about the volume.  What is the worst case load offered on the incumbent's SOA?  One could figure that it would be about 5 times.

**Action Item: The group suggested that the vendors and Neustar come prepared to discuss/present their findings of what the TN per second rate load we can expect to receive from the NPAC. The findings should be presented at the December meeting.**

Vendors should design against the forecasted rate in Exhibit N rate.  One service provider said Neustar should have provided us with the throughput rates, and as of this date we have not received this data.  What is the load on the SOA in the 15 minute period?  It was stated  that  "peaking"  is the real problem and for how long it lasts.  A vendor said that he has observed rates of 7 TN/sec.

A service provider said that Neustar's data did not include pooled TNs.  Service providers said we need to address both the near term and long term solutions. We need a demand model and suggested we form a sub-committee.  A vendor said many of the service provider's vendors are using a multi-region system.

**Action:  Ron Stutheit will set up conference call late in November, to develop a list of vendor questions.  Dave Garner suggested that Neustar look at SOW 17 questions.  The list of vendor questions will be given to Neustar in advance of the New Orleans meeting in December.  It is expected that Neustar will respond to the questions if they are not considered proprietary.**

**Meeting Schedule:**

**2001 Meeting Schedule:**

LNPA WG:                                            Host:

December 11 -13                                 Neustar, New Orleans

**2002 Meeting Schedule:**

LNPA WG:                                            Host:

January 8 - 10                                        Cingular Wireless – Orlando, FL

February 5 -7                             Business Edge Solutions - Dallas

March 5 - 7                                            SBC – St. Louis

April 9 - 11                                            Sprint, Kansas City

May 14 - 16                                           AT&T Wireless, Redmond, WA

June 11 - 13                                          AT&T - Atlanta

July 9 - 11                                             TBD

August 13 - 15                                       Canadian Consortium, Vancouver, British Columbia,Canada

September 17 - 19                                 Verizon, Baltimore, MD

October 15 - 17                                      ESI, Denver, CO

November 12 - 14                                 TBD

December 10 - 12                                 TBD

Any company that wants to hosts may send e-mail to Charles.  Anne Cummins AT&T Wireless said she will make the same request of the Wireless providers.  The Wireless providers will be meeting the day before the LNPA WG meetings.