LNPA WORKING GROUP

**MEETING MINUTES:**

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| Marriott Courtyard | Englewood, Colorado | Host: Evolving Systems |

**Wednesday, October 16, 2002 – 8:30 AM – 5:00 PM**

Attendance:

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| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| H.L. Gowda | AT&T | Stephen Addicks | | NeuStar |
| Paul LaGattuta | AT&T | Dave Garner | | Qwest (phone) |
| Sean Hawkins | ATTWS | Kathy McGinn | | Rural Cellular Corp. |
| Stephen A. Sanchez | ATTWS | Charles Ryburn | | SBC |
| Lee Hunter | BellSouth | Leah Luper | | SBC |
| Ron Steen | BellSouth (phone) | Donna McLaughlin | | SBC (phone) |
| Dave Cochran | BellSouth | Kathleen Tedrick | | Sprint |
| James Grasser | Cingular Wireless | Mary Briend | | Sprint PCS |
| Keagan O’Rourke | ESI | Rick Dressner | | Sprint PCS |
| Steve Farnsworth | ESI | Colleen Collard | | Tekelec (phone) |
| Mike Panis | ESI | John P. Malyar | | Telcordia Technologies |
| Dennis Robbins | Electric Lightwave (phone) | Jean Anthony | | Telecom Software |
| Rick Jones | NENA (phone) | Ron Stutheit | | Telesynthesis |
| Gene Johnston | NeuStar | Rob Smith | | TSI |
| Jim Rooks | NeuStar | Charlotte Holden | | US Cellular |
| John Nakamura | NeuStar | Maggie Lee | | VeriSign |
| Larry Vagnoni | NeuStar | Gary Sacra | | Verizon |
| Marcel Champagne | NeuStar | Linda Godfrey | | Verizon Wireless |
| Rob Coffman | NeuStar (phone) | Jason Lee | | WorldCom (phone) |
| Darius Irani | NeuStar | Karen Mulberry | | WorldCom |

Attached are the Action Items assigned at the October, 2002 LNPA meeting. Also included are the remaining open Action Items from previous meetings.



NOTE: ALL ACTION ITEMS REFERENCED IN THE MINUTES BELOW HAVE BEEN CAPTURED IN THE “OCTOBER 2002 LNPA ACTION ITEMS” FILE ATTACHED ABOVE.

9/02 Minutes Review:



* Per Dave Garner, Qwest: Page 6 – PIM 20, Option 2, change to read, ”Set a drop-dead date based on the LERG-effective disconnect date by which the NXX will be deleted in NPAC if there are no ported numbers.”
* Page 3, 5th bullet, change to read, “27 wireless service providers have completed an interconnection plan with NPAC.”
* H. L. Gowda, AT&T, suggested that the problem scenario described in proposed PIM 22 be treated as an inadvertent port per PIM 5.

Wireless Number Portability Operations (WNPO) Committee Report as reported by Jim Grasser, WNPO Chairperson:

* The WNPO Reviewed and approved July and August minutes.
* Alltel submitted a contribution and presentation discussing issues related to MIN/MDN separation and fixes necessary to address them in various vendor switch products.

 

* Williams Communications submitted a contribution promoting the use of the Jurisdictional Information Parameter (JIP) for access billing. It was questioned if JIP is required in standards.



* The WNPO reviewed a letter from Stu Goldman, Moderator of the Network Interconnection/Interoperability Forum (NIIF), asking for assistance in ensuring that the NIIF’s LNP Contact List is kept up-to-date. The NIIF requested that Jim Grasser make announcements at the WNPO and NNPO meetings to remind service providers to update and maintain their LNP contacts. The WNPO will ask NIIF to provide the status of progress on allowing non-funding service providers to access the contact list and put in their info.



* NeuStar reported that no wireless service provider turn-up testing is currently taking place.
* NeuStar reported that 15 new Non-Disclosure Agreements (NDAs) were signed this month (5 new wireless), making a total of 43 wireless service provider and wireless service bureau NDAs. 27 wireless providers have filed interconnect plans.
* The NeuStar study on off-hour Help Desk activity showed no need to change hours. The WNPO will send a revised letter to the NAPM/LLC advising no need to change the current NPAC Help Desk hours at this time. This will be reviewed throughout 2003, and if need be, the WNPO could request a change.



* The WNPO reviewed the Type 1 Cellular migration guidelines. The Recommendation/Decision Matrix will be updated to recommend use of these guidelines.



* NENA is still concerned about 911 testing. Some third-party systems require a new Sub System Number (SSN) to do MIN/MDN separation.
* 6 wireless and 2 wireline carriers in 7 MSAs and 3 NPAC Regions will have completed inter-carrier testing before 11/24/02.
* Wireless Testing Subcommittee (WTSC) issued a report on Las Vegas testing – what test cases were performed and who tested.
* No new testing scheduled for this year. Chicago, Los Angeles, and New York MSAs have been added for next year.
* Two Clearinghouses are attempting to test with each other. No details as yet.
* A potential issue was discussed regarding when multiple Home Location Registers (HLRs) serve a Mobile Switching Center (MSC). Some vendors use the LRN to determine which HLR to query. This has a major impact on wireless number rehomes.
* The Emergency Services Interconnection Forum (ESIF) is still working the issue on call-back number for unregistered phones. Resolutions will probably not be ready this year.

Reseller Flows:

* NeuStar proposed to produce the LNP process flows under the umbrella of the Change Management Process. NeuStar will submit two contributions to the LNPA:

1. Wireline C,D,E Reseller Flows as separate flows with entry and exit points in the main flow. The Wireless WA Reseller Flow as separate entry and exit points in the main flow.
2. Wireline C,D,E Reseller Flows integrated into one single flow with the Wireless WA Reseller Flow all with a single entry and exit point in the main flow.

ACTION: NeuStar will send an e-mail to LNPA CO-Chairs advising when they will have 1st drafts of process flows available for LNPA.

* Gary Sacra, LNPA Co-Chair, took an ACTION to send out to the LNPA distribution a zip file containing the 11/6/01 NNPO LNP Provisioning Flow package and narratives, Wireline Reseller Flows C, D, E and narratives, and Wireless Reseller Flow WA and narrative. COMPLETED ON 10/16/02.



* Rick Dressner, Sprint PCS, and Jim Grasser, Cingular Wireless and WNPO Chairperson, volunteered to serve as wireless SME contacts for ongoing flow development. H. L. Gowda, AT&T volunteered to serve as a wireline SME contact.

2003 LNPA Meeting Schedule:

* The LNPA agreed to schedule monthly face-to-face meetings for 2003, and revisit ongoing throughout the year to evaluate if continued monthly meetings are warranted. Hosts will be given at least 2 months notice of any meeting cancellation.
* Wireless will meet on Monday and Tuesday of LNPA week, and the LNPA will meet on Wednesday and Thursday.
* Following is the schedule for 2003, the host companies, and the meeting locations. Also indicated is the date of the month’s NANC meeting, if applicable:

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| --- | --- | --- | --- | --- |
| MONTH  **(2003)** | **LNPA MEETING**  **DATE** | **HOST COMPANY** | **MEETING LOCATION** | **NANC MEETING DATE** |
| JANUARY | WEEK OF 1/13 | QWEST AND NEUSTAR | PHOENIX, ARIZONA | 1/22/03 |
| FEBRUARY | WEEK OF 2/17 | TSI | TAMPA, FLORIDA | NO NANC |
| MARCH | WEEK OF 3/10 | SBC | SAN ANTONIO, TX | 3/19/03 |
| APRIL | WEEK OF 4/7 | NEUSTAR | STERLING, VIRGINIA | NO NANC |
| MAY | WEEK OF 5/5 | SPRINT | KANSAS CITY, KANSAS | 5/13/03 |
| JUNE | WEEK OF 6/9 | AT&T | NEW YORK OR ATLANTA, GEORGIA | NO NANC |
| JULY | WEEK OF 7/7 | CINGULAR | CHICAGO, ILLINOIS (TENTATIVE) | 7/15/03 |
| AUGUST | WEEK OF 8/11 | AT&T WIRELESS | SEATTLE, WASHINGTON (TENTATIVE) | NO NANC |
| SEPTEMBER | WEEK OF 9/15 | VERIZON | BALTIMORE, MARYLAND OR PORTLAND, MAINE | 9/25/03 |
| OCTOBER | WEEK OF 10/13 | CANADIAN CONSORTIUM | BANFF, CANADA | NO NANC |
| NOVEMBER | WEEK OF 11/10 | VERISIGN | KANSAS CITY, KANSAS | 11/5/03 |
| DECEMBER | WEEK OF 12/8 | TELCORDIA | SAN DIEGO, CALIFORNIA (TENTATIVE) | NO NANC |

PIMs:

* PIM 5 – SOW 19 is still in Legal review with LLC and NeuStar attorneys. Legal text has been provided to the NeuStar attorney by the NAPM/LLC attorney. SOW 19 is nearing closure.
* PIMs 14 and 15 – The INC is developing guidelines, *Procedures for Code Holder/LERG Assignee Exit*, that describe the responsibilities of NANPA, service providers, and the Pool Administrator when a service provider is returning or abandoning codes/blocks that contain ported telephone numbers. Feedback from Adam Newman, Telcordia, is pending after the November INC meeting.



The Code Reallocation Process document has been revised by Barry Bishop, NeuStar, per the LNPA’s request. NeuStar took an ACTION to speak to Barry Bishop about clarifying what is meant by “Non-Pooling NXX” on page 1 of the document. If it means non-pooling area, the document needs to be modified to reflect that all blocks do not need to be ported. Also, NeuStar will request that Barry clarify backout procedures if errors are made and who fixes them, e.g. Pool Administrator gives block to wrong service provider, typo on Part 1B, etc. Dave Garner, Qwest, has provided examples of error scenarios to Barry Bishop per ACTION ITEM 0802-07.



John Malyar, Telcordia, asked if simply creating the Dash X for a pooled block will provide the NXX override instead of actually activating the 1K block. NeuStar took an ACTION to investigate if this is a feasible alternative to creating pooled blocks to circumvent the NPAC code ownership validation and what is NPAC’s behavior, e.g. what happens when numbers disconnect and what does NPAC broadcast to EDR vs. non-EDR providers. NeuStar will report back at November meeting.

Paul Lagattuta, AT&T, suggested creating a list of alternatives that NsuStar would explain to both service providers involved in an asset transfer. NeuStar would then certify that they have explained the options to the providers. Paul further suggested this would be auditable by the 3rd party auditor. The group agreed to develop a list of options and their implications for facilitating a transfer of codes between service providers. This will be on the November LNPA agenda for development. After the list of options is developed, the LNPA will determine how it is to be used. ACTION – Charles Ryburn, LNPA Co-Chair, will send a note to Jim Grasser, WNPO Chairperson, asking that he send a note to the WNPO regarding this discussion and requesting wireless participation.

* PIM 18 – See status above under Reseller Flows section.
* PIM 19 - Charles Ryburn, LNPA Co-Chair, took an ACTION ITEM at the September LNPA to send the following advisory to the INC stating that it has been issued to the industry and to review for any inclusion in their guidelines.

“Some service providers, after activating a pooled block, are performing intra-SP or inter-SP ports using the same LRN and GTT data as the number pooled block. In addition, some service providers have contaminated TNs, and later activate a number pooled block with an LRN and GTT data exactly the same as the contaminated TNs. In both instances, the end result is the inefficient perpetuation of individual intra-SP or inter-SP subscription versions, rather than the more appropriate pooled number block-based routing. Service providers are advised that individual intra-SP or inter-SP ports should be prevented and deleted by the blockholder when these individual subscription versions have the same routing data (LRN and GTT) as the pooled number block in which they are contained.”

This was completed on 10/3/02. This PIM remains CLOSED.

* **PIM 20** – This PIM was submitted by SBC.



This PIM seeks to resolve instances where an NXX code returned to or reclaimed by NANPA, is initially found to contain no active or pending ported numbers and is published for disconnect in the LERG, only to have customers port their number after the published disconnect. NeuStar stated that they would need regulatory approval before they could take any steps to prevent a customer from porting.

At the September meeting, the LNPA brainstormed two possible options to address this issue:

1. Always transfer any code that is opened up in NPAC to a new LERG-assignee rather than disconnect it in the LERG,
2. Set a drop-dead date by which the NXX will be deleted in NPAC if there are no ported numbers.

At the September LNPA, Adam Newman, Telcordia, took an ACTION ITEM to discuss this within INC at their November meeting in the context of their guidelines, *Procedures for Code Holder/LERG Assignee Exit*. The LNPA is awaiting feedback from INC’s November meeting.

* **PIM 21** – This PIM was submitted by AT&T. It addresses cases where service providers have left a market or have gone bankrupt, and previously working ported-in numbers have been abandoned by their former customers, but the ported records still remain in NPAC. Calls to these numbers fail and result in needless trouble-shooting. This PIM seeks development of a process to delete these abandoned numbers in NPAC.

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The LNPA is awaiting feedback from Adam Newman, Telcordia, on INC’s discussions at their upcoming November meeting regarding LNPA comments addressing this issue in their *Procedures for Code Holder/LERG Assignee Exit.*

H. L. Gowda, AT&T, took an ACTION to set up a conference call among himself, Adam Newman (Telcordia), Dave Garner (Qwest), and Gary Sacra (Verizon) to ensure Adam has the required input to discuss the necessary changes to satisfy PIM 21 in INC’s *Procedures for Code Holder/LERG Assignee Exit.*

* **NEW PROPOSED PIM 22 (CURRENTLY ON HOLD)** – This new PIM was submitted by Verizon. It seeks to address instances where customers have been taken out of service inadvertently due to the New Service Provider continuing with a port that has been placed into Conflict by the Old Service Provider. In these cases, the New Service Provider continued with porting the customer after the 6 hour timer had expired, instead of investigating why the port was placed into Conflict. In many of these cases, the port was placed into Conflict because no matching LSR could be identified as a result of the wrong TNs being sent up in the CREATE message from the New Service Provider.



Gary Sacra, Verizon, had taken an ACTION ITEM to review the Conflict Cause Values and come to October meeting with a proposal for which ones this PIM would be restricted to. This discussion was deferred to the November LNPA meeting.

# THURSDAY 10/17/02

Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| H.L. Gowda | AT&T | Kathy McGinn | | Rural Cellular Corp. |
| Paul LaGattuta | AT&T | Charles Ryburn | | SBC |
| Sean Hawkins | ATTWS | Leah Luper | | SBC |
| Stephen A. Sanchez | ATTWS | Donna McLaughlin | | SBC (phone) |
| Lee Hunter | BellSouth | Jeff Herl | | SBC (phone) |
| Ron Steen | BellSouth (phone) | Kathleen Tedrick | | Sprint |
| Dave Cochran | BellSouth | Mary Briend | | Sprint PCS |
| James Grasser | Cingular Wireless (phone) | Rick Dressner | | Sprint PCS |
| Keagan O’Rourke | ESI | Colleen Collard | | Tekelec (phone) |
| Steve Farnsworth | ESI | Mark Green | | Tekelec (phone) |
| Mike Panis | ESI | John P. Malyar | | Telcordia Technologies |
| Dennis Robbins | Electric Lightwave (phone) | Jean Anthony | | Telecom Software |
| Rick Jones | NENA (phone) | Lisa Marie Maxson | | Telecom Software |
| Gene Johnston | NeuStar | Ron Stutheit | | Telesynthesis |
| Jim Rooks | NeuStar | Rob Smith | | TSI |
| John Nakamura | NeuStar | Charlotte Holden | | US Cellular |
| Larry Vagnoni | NeuStar | Maggie Lee | | VeriSign |
| Marcel Champagne | NeuStar | Jan Dempsey | | VeriSign (phone) |
| Rob Coffman | NeuStar (phone) | Gary Sacra | | Verizon |
| Darius Irani | NeuStar | Linda Godfrey | | Verizon Wireless |
| Stephen Addicks | NeuStar | Jason Lee | | WorldCom (phone) |
| Dave Garner | Qwest (phone) | Karen Mulberry | | WorldCom |

Outbound Flow Control Discussion (led by Jim Rooks, NeuStar):

* Jim Rooks, NeuStar, led the group in a discussion exploring the merits of changing the flow control of messages from the receiving end to the sending end.
* In explaining the current inbound flow control mechanism, Jim stated that the DSET toolkit inbound message storage capacity is tuneable and typically set at 100 messages. When 100 messages are stored, inbound flow control kicks in and the receiver stops reading from the OSI stack. This then causes messages to back up within the OSI stack and this also propagates over to the sender side. This complicates CMIP Departure Time because it allows messages to wait in queue until they expire. Jim is suggesting that we look at possibly implementing outbound flow control, which would prevent the various buffers in the sender and receiver OSI stacks from backing up. If implemented at both ends, outbound flow control would prevent congestion.
* Dave Garner, Qwest, asked how we would know if NPAC could handle more messages than was sent by the service provider’s outbound flow control. Jim responded an idle NPAC would respond faster, allowing the service provider’s end to send faster, thus mitigating or preventing messages from queuing up at the service provider end.
* Jim stated that Outbound Flow Control could be implemented in NPAC without impacting service provider systems. He doesn’t think this is a huge effort. This would require a Change Order. Service providers wouldn’t have to implement Outbound Flow Control concurrently.
* Lisa Marie Maxson, TSE, stated that if more providers used range notifications, that would significantly reduce notification traffic. A lot of the outages she has seen have resulted from service providers performing large ports and sending single Creates/Activates one after the other, each generating 3 notifications. Jim Rooks said it is typically the notifications that cause the problem, not the Creates or Activates. Jim agreed that if the industry doesn’t take more advantage of range operations, the only way to improve throughput is to step up the hardware.
* Jim Rooks stated that raising the CMIP Departure Time Validation Check could be a temporary solution until Outbound Flow Control is implemented.
* Colleen Collard, Tekelec, asked if NeuStar was seeing CMIP Departure Time aborts more on the LSMS side or the SOA side. Jim Rooks, NeuStar, said it was more of a SOA issue.
* NeuStar took an ACTION to write up a Change Order for NPAC Outbound Flow Control and present it at the next new Change Order discussion. John Malyar, Telcordia, asked if it will include recommended buffer sizes. Jim Rooks, NeuStar, said it is up to the local system vendors to make that determination.
* H. L. Gowda, AT&T, stated that AT&T approves raising the CMIP Departure Time Validation Check but not eliminating it entirely for security reasons. John Malyar, Telcordia, questioned the value of the check and asked AT&T to bring in a contribution as to why they feel it is still of value. AT&T declined.
* Jim Rooks, NeuStar, said raising the departure time would help. We are seeing 20-25 of these aborts per day per region. AT&T and MCI stated approval for doubling the departure time check to 10 minutes. The majority of the group voted to raise to 15 minutes. Charles Ryburn, LNPA Co-Chair, took an ACTION to send a liaison to the NAPM/LLC recommending raising the NPAC’s CMIP Departure Time Validation Check to 15 minutes in all US regions. The Minutes to this meeting will reflect that the LNPA also recommends that service providers should make similar change in their local SOA and LSMS systems if they do a CMIP departure time check. This recommendation to service providers will also be included in the LLC letter as informational. After LLC approval, NeuStar could implement during the next service provider maintenance window. Only 4 regions have scheduled maintenance at the end of this month. The LLC letter will request the remaining 3 regions be approved for maintenance at the end of the month. Canada will be copied on the LLC letter. This will be a doc only Change Order to change it to a tuneable in the FRS (NeuStar ACTION). Rick Dressner, Sprint PCS, and H. L. Gowda, AT&T, stated we should follow up after a period of time to see what improvements have been realized as a result of raising the time to 15 minutes, e.g. quantify the reduction in aborts.

Possible Elimination of Timeout Aborts:

* This agenda item was deferred to the November meeting. ACTION for service providers to come prepared to discuss in November.

3.2 Documentation Discussion:

* H. L. Gowda, AT&T, asked NeuStar what will happen if service providers do not implement new software for 3.2 Change Orders. Requirements state that NANC 287 and 316 are not backward compatible. Lisa Marie Maxson, TSE, stated that local systems should not have to recompile for NANC 287. John Nakamura, NeuStar, said that based on the definition of backwards compatible, these two Change Orders are not because they constitute interface changes. NANC 316 does require a recompile if the service provider sends an NSAP field size declaration message today. It is conditional and no recompile is necessary if the message is not sent now.
* John Malyar, Telcordia, asked NeuStar if NANC 169 will require one set of Bulk Data Download (BDD) filenames or if the old BDD file names will also still be supported. John Nakamura, NeuStar, said one set will be required.
* A Vendor Interoperability (ITP) Test Case review call was scheduled for Thursday, 10/31, in the morning. ITP testing will start on 12/4/02. Review period for the 2nd Draft of ITP test cases ends on 11/25/02. NeuStar took an ACTION to see if they can pull up the release of the 2nd Draft of ITP test cases to no later than 11/12/02. This will be discussed on 10/31 ITP call.
* Donna McLaughlin, SBC, asked if the current daily full database BDD will still be produced after implementation of NANC 169 (delta BDD). NeuStar took an ACTION to provide a response. Jim Rooks, NeuStar, said that the full BDD functionality is not going away. A question was raised as to if full BDD will be produced daily ongoing or on a per request basis. Jim Rooks asked the business need to have a BDD generated daily. Some service providers pull a BDD from the FTP site every day. NeuStar took an ACTION to canvas service providers who are pulling daily BDDs to determine their business need. This will subsequently be discussed at the LNPA to determine if we want to stay with daily full BDDs or on-demand full BDDs. If a service provider doesn’t support NANC 169 (delta BDD) yet, there are no format changes to the current BDD, only changes to file names which can be dealt with manually.
* Donna McLaughlin, SBC, asked with regard to NANC 192 (NPA split Change Order), how are extended permissive dialing periods for wireless codes addressed and disseminated? These extended permissive dialing periods are only documented in the comments section of the LERG, not in LERG 3. It was suggested that it might not be an issue with MIN/MDN separation. This discussion will be added on the agenda for the next WNPO. This is still an open issue. John Malyar, Telcordia, will have someone from TRA (possibly Adam Newman) at the November LNPA to discuss (John Malyar ACTION).
* NeuStar took an ACTION to distribute the existing list of regression test cases for the NANC 287 and NANC 316 Change Orders before the 10/31/02 call per Lisa Marie Maxson’s (TSE) request.

3.2 Project Plan:

* ACTION: NeuStar will clean up the ? marks in the Word version of the 3.2 Project Plan.
* NeuStar stated that there are three milestones we need to focus on – ITP testing interval (12/2/02 – 2/3/02), turn-up testing interval (3/4/03 – 4/11/03), and production load dates (4/28/03, 5/12/03, 5/26/03). SBC said they wouldn’t be ready to do turn-up testing until June, 2003. BellSouth, Sprint, and AT&T Wireless also have some dependencies that they are not confident that they will meet at this time. Rick Dressner, Sprint PCS, requested that the 3.2 rollout be completed by August, 2003 because of the work approaching for wireless porting implementation on 11/24/03.
* Service Providers took an ACTION to be prepared to answer the following

questions on a 10/30/02 conference call arranged to discuss the NPAC Release 3.2 Project Plan:

1. On what date would you be able to complete your minimum required turn-up test cases to certify your local production systems’ compatibility with NPAC 3.2?
2. On what date would you be able to complete your required turn-up test cases for the new 3.2 functionality you will deploy in production in your local systems (excluding NANC 323)?

The conference call will be held on 10/30/02 from 2pm – 4pm Eastern.

Review of September Action Items:



* Item 0902-01: Jim Grasser, WNPO Chairperson, sent letter to LLC requesting new service provider maintenance window hours. He will also send a letter to the LLC stating that NPAC Help Desk hours will not need to change this year. The WNPO will review Help Desk needs ongoing. The new upcoming maintenance window hours was also raised on the X-Regional call. This item is now Closed.
* Item 0902-02: Completed on 10/3. Item is Closed.
* Item 0902-03: Milestone dates have been added to the 3.2 Project Plan, one for describing to service providers the upcoming NANC 191/291 and 319 edits, and one after the 3.2 cut occurs advising service provider cleanup. Item Closed. NEW ACTION: NeuStar to investigate the possibility of providing a list of existing active Subscription Versions that would fail the NANC 191/291 (DPC/SSN) and NANC 319 (LRN/LATA) edits and send out to service providers prior to 3.2 production.
* Item 0902-04: Covered in IIS 3.2.0a. Item Closed.
* Item 0902-05: Examples of reasons for a mass update are currently not included in the Mass Update M&P. Therefore, LRN modifications due to LATA ID changes will not be added as an example. Item Closed.
* Item 0902-06: Open until November meeting.
* Item 0902-07: H. L. Gowda, AT&T, provided Adam Newman, Telcordia, input for the upcoming INC discussion in November on their *Procedures for Code Holder/LERG Assignee Exit* in the context of PIM 21. H. L. will set up a conference call with Adam Newman (Telcordia), Dave Garner (Qwest), Gary Sacra (Verizon), and hinself to make sure Adam has the input he needs for the November INC meeting. H. L. Gowda, AT&T, ACTION.
* Item 0902-08: Deferred until November meeting.
* Item 0902-09: Completed on 10/3/02. Item Closed.
* Item 0902-10: NeuStar sent out notification on 9/20. AT&T Wireless stated they have seen a noticeable improvement in the stack abort problem. Colleen Collard, Tekelec, stated their customers have reported aborts during recovery have virtually disappeared. Item Closed.
* Item 0902-11: Awaiting response from Hewlett Packard. Item remains Open. Keagan O’Rourke, ESI, now has this item.
* Item 0902-12: Possible elimination of timeout aborts on next month’s agenda. NeuStar will recap where we are with regard to the open Change Order on timeout aborts at November meeting. ACTION for NeuStar.
* Item 0902-13: The impact of holiday dates on the 3.2 Project Plan will be discussed on the 10/30/02 conference call.
* Item 0902-14: NeuStar proposed placing LNP process flows under the umbrella of Change Management. NeuStar ACTION: Send out an e-mail to the LNPA CO-Chairs advising when they will have 1st drafts of process flows available for LNPA review. Process flows will not be in VISIO.
* Item 0902-15: Completed 10/11/02. The group also agreed to change Bullet No. 4 to remove the phrase “as possible.” (ACTION for H. L. Gowda, AT&T). Maggie Lee, VeriSign, raised a concern with respect to a service provider who needs to extend or schedule maintenance outside the normal service provider maintenance window.
* Item 0902-16: Scheduled for 11/3/02 maintenance window. NeuStar ACTION to send out a notice to the X-Regional distribution advising of Customer Name Bulk Data Download creation. NeuStar will also update the 3.1 test bed during the same maintenance window.
* Item 0902-17: Item remains Open. The NANC 323 SPID Migration M&P is in NeuStar’s 1Q03 work plan. Jim Rooks, NeuStar does not recommend the use of the Op:INFO notification. The LNPA needs to make sure it is supported industry-wide. The LNPA needs to revisit if OP:INFO has any detrimental impact.
* Item 0902-18: SOW 24 language has been modified and sent to LLC per Steve Addicks, NeuStar. Item is Closed.
* Item 0902-19: Definition of “extended” outage in Reassociation M&P to be 60 minutes or greater was approved by LNPA. Gary Sacra, LNPA Co-Chair ACTION: Send e-mail to Randy Buffenbarger, NeuStar, stating that LNPA approved and the M&P should go on website.
* Item 0902-20: Complete. Item Closed.
* Item 0802-01: Item remains Open. Jim Grasser, WNPO Chairperson, to send Charles Ryburn, LNPA Co-Chair, a response before the November LNPA meeting.

New Business:

* The entire LNPA wishes Mike Panis, ESI, well, and thanks him for his friendship and for his many significant contributions to the industry and the LNP project. Hopes are that Mike will land with another company soon and be able to continue with us.
* Dave Cochran, BellSouth, asked the status of the NPAC Performance Test Bed. Steve Addicks, NeuStar, said this was addressed in SOW 23 which was rejected by the NAPM/LLC. The SOW 34 Test Bed is a functional equivalent of Release 3.1. Jim Rooks, NeuStar, stated that nothing precludes doing heavy load performance testing on the 3.1 test bed.
* Dave Cochran, BellSouth, has submitted a Change Order for alternative (not to replace) interfaces to CMIP. This is on the agenda for discussion at the November LNPA meeting. The LNPA will discuss the merits and decide if we want to pursue.



* Dave Cochran, BellSouth, raised a concern regarding receiving a pooled 1K block that has working numbers, but the donor service provider has not done the necessary intra-SP ports for the contaminated numbers. The blockholder must inter-SP port the working numbers back to the codeholder. Numbers may have been double-assigned. Bigger concern is when the donor codeholder is a wireless carrier. This could force porting to a wireless carrier before 11/24/03. This issue highlights the need for the codeholder to do the necessary contaminated TN intra-SP ports prior to donating a contaminated 1K block to the pool.

Slowhorse Discussion:

* This was deferred until the November LNPA meeting.
* Jim Rooks, NeuStar, described a Partial Failure issue under investigation, largely in the Mid-West Region, where various service providers’ LSMSs indicate a success on an initial download of a Subscription Version (SV), but a subsequent attempt to modify fails because there is no SV found.

Type 1 Cellular Migration Guidelines:

* The LNPA approved the final INC Issue 373, which addressed the guidelines for migrating Type 1 Cellular numbers to the applicable wireless carrier.