LNPA Working Group, August , 2002

**AUGUST ACTION ITEMS ASSIGNED:**

1. Jim Grasser, WNPO Chair, took an ACTION ITEM to provide a list of testing issues possibly impacting Wireline carriers. Examples cited were the need for Wireless NXX codes to be opened in the selective router for the 911 database, and the need for Wireline back office systems, e.g. Billing, to accommodate Wireless numbers pooled or ported into the Wireline network.
2. Both the Wireless and Wireline Reseller flows were reviewed and modified during the LNPA meeting. The following ACTION ITEMS were assigned with regard to the flows:

* Rick Dressner, Sprint PCS, will modify the Wireless Reseller flows to incorporate the changes agreed to at the August LNPA. Rick will make the changes and distribute the modified flows to the LNPA distribution prior to the September LNPA meeting.
* Gary Sacra, Verizon and LNPA Co-Chair, will modify the Wireline Reseller flows to incorporate the changes agreed to at the August LNPA. Gary will make the changes and distribute the modified flows to the LNPA distribution prior to the September LNPA meeting.
* Jim Grasser, WNPO Chair, will develop the Wireless master flows and distribute them to the LNPA prior to the September LNPA meeting. The Wireless Reseller flows will be incorporated into these master flows for eventual incorporation into the main NANC LNP Provisioning flows.

1. Gary Sacra, LNPA Co-Chair, took an ACTION ITEM, to send the following advisory text to Rob Coffman, NeuStar. Rob Coffman took an ACTION ITEM to send the advisory message to the LNPA WG, WNPO, Portability, Inc., Pooling Administrator, and Cross-Regional distribution lists.

“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.”

1. Based on feedback from the group on the PIM 2 Maintenance Window document, H. L. Gowda, AT&T, took an ACTION ITEM to change the sentence in Item 4, currently reading, “The goal here is to eliminate as much activity as possible that generates any SOA or LSMS messages during the maintenance window so service providers do not have any messages to recover when they come back on-line at the end of the window.” to read, “The goal here is to eliminate all activity that generates any SOA or LSMS messages during the maintenance window so service providers do not have any messages to recover when they come back on-line at the end of the window.”

It was also noted that the note in Item 1, “Note: SPs maintenance window period and duration will be changed to accommodate Wireless SPs Portability (11/24/2003),” may change based on a decision to be made at the September WNPO meeting. The date will either be 11/24/02 or 11/24/03.

H. L. will make the agreed upon changes, including eliminating any unnecessary bolded phrases, and distribute to the LNPA for review at the September LNPA meeting.

1. Dave Garner, Qwest, suggested that the NANC 356 work be done on a Region-by-Region basis. Rob Coffman, NeuStar, took an ACTION ITEM, to take this suggestion back and develop a Region-by-Region schedule by Friday, 8/23/02, to be distributed to the LNPA by Audrey Herrell, NeuStar.
2. With respect to the **Methods and Procedures for Service Providers Reassociation to the NPAC After Extended Region Service Unavailability Due to NPAC Outage**, the group agreed that the note should be changed to read, “It is recommended, if a Service Provider’s SOA and LSMS are on the same router, the Service Provider must hold off bringing up their SOA by manually taking it off-line.”

Rob Coffman, NeuStar, took an ACTION ITEM to make the change and distribute the M&P to the LNPA. Dave Garner, Qwest, suggested the finished M&P should be reviewed by the NAPM/LLC.

1. Regarding PIM 14/15 and the modified CO Code Transfer Process, there was agreement in the LNPA that the process should be immediately implemented in pooled areas based on current wording of the document. The following ACTION ITEMS were assigned:
2. Barry Bishop, NeuStar PA

* Correct the formatting in the Figure on page 2 of INC Issue 364, and resubmit to INC,
* Change title of process to “CO Code Reallocation Process,”
* Resubmit updated process document to LNPA in two weeks for review and subsequent liaison to INC,
* Speak to NANPA to see if they could track non-retained blocks in non-pooled areas so the codeholder does not have to take all ten 1K blocks in those areas,
* Have the finished document posted on the Pooling website.

1. Dave Garner, Qwest,

* Provide an example scenario requiring a backout strategy for this process to Barry Bishop.

1. John Nakamura, NeuStar, took an ACTION ITEM to post the Backwards Compatibility definition on the NPAC website.
2. Regarding issue of customers porting their number after the NXX has been published as disconnecting in the LERG, the following ACTION ITEMS were assigned:
3. Gary Sacra, Verizon,

* Send text proposing establishment of industry guideline to Charles Ryburn for inclusion in new PIM (COMPLETE 8/20/02).

The group agreed on the following wording to be included in the PIM:

“For NXXs being returned due to a carrier leaving a market, if an industry guideline were in place that established a uniform date certain prior to scheduled disconnect of the NXX code, by which a customer must port their number should they choose to, then steps could be taken in NPAC to prevent porting in that NXX code after that date.”

1. Charles Ryburn, SBC,

* Develop and submit PIM for this issue for discussion at 9/02 LNPA and submission to 9/02 NANC meeting for their consideration as a recommendation to FCC.

1. Mike Panis, ESI, took an ACTION ITEM to ask HP if they will share with NeuStar their test process and program that they used to evaluate their OTS stack and recreate the recovery problem.
2. Regarding service providers’ ability to support NANC 323 functionality in their local systems,

Jim Rooks, NeuStar took an ACTION ITEM, to obtain a list of SOA and LSMS SPIDs by Region and send to Charles Ryburn before the 9/02 LNPA meeting.

Service providers have an ACTION ITEM to come to the 9/02 LNPA meeting prepared to provide the date when they will support a SPID migration in production.

1. Regarding NANC 323, NeuStar took an ACTION ITEM to investigate the existing OpInfo message to see if a 323 SPID migration notification can be sent. This will involve both M&P and OP GUI.

**MEETING MINUTES:**

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| Four Seasons Hotel | Vancouver, British Columbia | Host: Canadian LLC |

Wednesday, August 14, 2002 – 8:30 AM – 5:00 PM

Attendance:

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| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| H.L. Gowda | AT&T | Chris Bowe | | Nextel |
| Paul LaGattuta | AT&T | Dave Garner | | Qwest (phone) |
| Lonnie Keck | ATTWS | Joe Gormley | | Qwest Wireless |
| Sean Hawkins | ATTWS | Charles Ryburn | | SBC |
| Larry Miller | Alltel (phone) | Leah Luper | | SBC (phone) |
| Ron Steen | BellSouth (phone) | Jeff Adrian | | Sprint |
| Dave Cochran | BellSouth (phone) | Mary Briend | | Sprint PCS |
| Marian Hearn | Canadian LLC | Rick Dressner | | Sprint PCS |
| James Grasser | Cingular Wireless | Colleen Collard | | Tekelec (phone) |
| Monica Dahmen | Cox Communications | John P. Malyar | | Telcordia Technologies |
| Ron Stutheit | ESI | Jean Anthony | | Telecom Software |
| Dennis Robbins | Electric Lightwave (phone) | Rob Smith | | TSI |
| Gene Johnston | NeuStar | Charlotte Holden | | US Cellular |
| Jim Rooks | NeuStar | Jan Dempsey | | VeriSign |
| John Nakamura | NeuStar | Gary Sacra | | Verizon |
| Larry Vagnoni | NeuStar | Linda Godfrey | | Verizon Wireless |
| Marcel Champagne | NeuStar | Karen Mulberry | | WorldCom |
| Rob Coffman | NeuStar | Jason Lee | | WorldCom (phone) |
| Barry Bishop | NeuStar (phone) |  | |  |

Agenda Review:

Commenting on the agenda item “Integration of Wireless Reseller Flows into NANC Flows,” H. L. Gowda, AT&T, raised the need to review the Wireline Reseller flows, in addition to the Wireless Reseller flows, prior to their incorporation into the main NANC LNP Provisioning flows. This was added to the agenda.



7/02 Minutes Review:



* Change spelling of “Marbin” to “Marben” on pages 2 and 12.
* On page 12, second bullet, 1st sentence, change, “Industry recovery testing is taking place during the weeks of 7/15 and 7/22,” to read, “Industry recovery testing is taking place during the week of 7/8.”

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

* Jim Grasser, WNPO Chair, reported that the WNPO has modified the Wireless timeline, based on the recent FCC Order, to extend the Wireless porting date.
* Rick Jones, NENA, expressed concern that 911 testing, included in the Wireless Porting test plan, must still be completed prior to implementation of Wireless Pooling. Rick submitted the attached NENA contribution recommending that the Wireless Number Portability Operations (WNPO) team, the Wireless Testing Subcommittee (WTSC), and the Wireless Pooling Task Force (WPTF) strongly support the inclusion of the appropriate 911/emergency number call tests (4.5.1, and 4.5.3 to 4.5.9 for wireless carriers and 4.5.2 for wireline) in any inter-carrier Wireless Number Pooling tests in the U.S.

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* Currently, in Wireless Switch Translations, the LNP query is blocked for Emergency Service Numbers. Testing will be conducted to remove the blocking of the query for numbers pooled or ported to Wireline.
* Wireless Reseller Flows – no further comments received on the flows at the WNPO. They are ready for discussion at the LNPA Working Group.
* Jim Grasser, WNPO Chair, took an ACTION ITEM to provide a list of testing issues possibly impacting Wireline carriers. Examples cited were the need for Wireless NXX codes to be opened in the selective router for the 911 database, and the need for Wireline back office systems, e.g. Billing, to accommodate Wireless numbers pooled or ported into the Wireline network.
* NeuStar reported that thirty-two Wireless providers and Service Bureaus have now signed Non-Disclosure Agreements (NDAs). One Service Bureau completed NPAC testing in July, bringing the total to 7 carriers and Service Bureaus that have completed NPAC testing.
* A test case has been added to the Wireless test plan to determine the results when a Wireless carrier, porting a number from a Wireline carrier, fails to mark the NPDI on the LSR, and the Wireline carrier does not take the entry out of the ALI database, resulting in two 911 entries. Rick Jones, NENA, submitted a contribution to make it a requirement that Wireless carriers mark the NPDI on LSRs (see attached). This recommendation is to be placed on the Wireless Decision Matrix.



* A suggested method of rehoming Wireless NXX codes, intended to minimize intra-SP ports, will be added to the Wireless Decision Matrix. Alltel and Sprint will be submitting contributions suggesting that Wireless carriers manage MBI assignment to minimize the need for intra-SP ports on rehomes. Attached is a White Paper describing the issue.



* In a response to a question from the WNPO, NeuStar stated that the Large Port Notification is not solely a notification of large single actions, but also reflects large volumes of ports, as well.
* NeuStar gave a presentation to the WNPO on Partial Failures and stressed the need to maintain LSMS associations and the impacts to the industry in failing to do so.

Reseller Flows:

* Both the Wireless and Wireline Reseller flows were reviewed and modified during the LNPA meeting. The following ACTION ITEMS were assigned with regard to the flows:
* Rick Dressner, Sprint PCS, will modify the Wireless Reseller flows to incorporate the changes agreed to at the August LNPA. Rick will make the changes and distribute the modified flows to the LNPA distribution prior to the September LNPA meeting.
* Gary Sacra, Verizon and LNPA Co-Chair, will modify the Wireline Reseller flows to incorporate the changes agreed to at the August LNPA. Gary will make the changes and distribute the modified flows to the LNPA distribution prior to the September LNPA meeting.
* Jim Grasser, WNPO Chair, will develop the Wireless master flows and distribute them to the LNPA prior to the September LNPA meeting. The Wireless Reseller flows will be incorporated into these master flows for eventual incorporation into the main NANC LNP Provisioning flows.

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| Four Seasons Hotel | Vancouver, British Columbia | Host: Canadian LLC |

Thursday, August 15, 2002 – 8:30 AM – 5:00 PM

Attendance:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Company** | **Name** | **Company** | | |
| H.L. Gowda | AT&T | Chris Bowe | | Nextel |
| Paul LaGattuta | AT&T | Dave Garner | | Qwest (phone) |
| Beth Watkins | AT&T (phone) | Joe Gormley | | Qwest Wireless |
| Lonnie Keck | ATTWS | Charles Ryburn | | SBC |
| Sean Hawkins | ATTWS | Leah Luper | | SBC (phone) |
| Larry Miller | Alltel (phone) | Jeff Adrian | | Sprint |
| Jill Byers | Bell Canada (phone) | Mary Briend | | Sprint PCS |
| Ron Steen | BellSouth (phone) | Rick Dressner | | Sprint PCS |
| Dave Cochran | BellSouth (phone) | Colleen Collard | | Tekelec (phone) |
| Marian Hearn | Canadian LLC | John P. Malyar | | Telcordia Technologies |
| James Grasser | Cingular Wireless | Adam Newman | | Telcordia Technologies (phone) |
| Monica Dahmen | Cox Communications | Jean Anthony | | Telecom Software |
| Ron Stutheit | ESI | Barbara Galbreath | | Time Warner (phone) |
| Dennis Robbins | Electric Lightwave (phone) | Rob Smith | | TSI |
| Gene Johnston | NeuStar | Charlotte Holden | | US Cellular |
| Jim Rooks | NeuStar | Jan Dempsey | | VeriSign |
| John Nakamura | NeuStar | Gary Sacra | | Verizon |
| Larry Vagnoni | NeuStar | Linda Godfrey | | Verizon Wireless |
| Marcel Champagne | NeuStar | Karen Mulberry | | WorldCom |
| Rob Coffman | NeuStar | Jason Lee | | WorldCom (phone) |
| Barry Bishop | NeuStar (phone) |  | |  |

PIMs:

* PIM 1 – This PIM remains CLOSED. The Wireline Reseller flows were reviewed and modified at the August LNPA meeting. Work will continue at the September LNPA to incorporate them into the NANC LNP Provisioning flows.
* PIM 5 – SOW 19 is still in Legal review with LLC and NeuStar attorneys.
* PIMs 14 and 15 – The attached INC Issue 364 has been submitted to the INC by Barry Bishop, NeuStar Pooling Administrator, modifying the CO Code Transfer process document to specify that the new LERG-assignee is not required to take all ten 1K blocks when a code with active ported numbers is transferred and pooled. Charles Ryburn, SBC, stated that SBC’s INC representative has requested that the title of the document be changed from "CO Code Transfer Process” to “CO Code Reallocation Process.” See also the readout on ACTION ITEM 7 in the next section.



* PIM 17 – This PIM remains CLOSED. It was reported that INC Issue 373, which addresses migration of Type 1 Cellular numbers, is scheduled to go to Final Closure on an upcoming conference call on 8/23/02.
* PIM 18 – The Wireless Reseller flows were reviewed and modified at the August LNPA meeting. Work will continue at the September LNPA to incorporate them into the NANC LNP Provisioning flows.
* PIM 19 - **Individual intra and inter-service provider ported records with same LRN as pooled block record:**

This PIM addresses instances where individual ported records have been created for numbers within a pooled 1K block, however, the LRN associated with the individual records is the same as the LRN associated with the 1K block. This dilutes the advantages of Efficient Data Representation (EDR). At the August LNPA, the group agreed that the following advisory will be sent to the LNPA WG, WNPO, Portability, Inc., Pooling Administrator, and Cross-Regional distribution lists:

“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.”

Gary Sacra, LNPA Co-Chair, took an ACTION ITEM, to send the above advisory text to Rob Coffman, NeuStar. Rob took an ACTION ITEM to send the advisory message to the LNPA WG, WNPO, Portability, Inc., Pooling Administrator, and Cross-Regional distribution lists.

This PIM is now CLOSED.

**STATUS OF JULY ACTION ITEMS:**

The following ACTION ITEMS were assigned at the July LNPA meeting and were discussed at the August meeting. Following each ACTION ITEM is the status provided at the August meeting.

1. In response to a question from the LNPA to the WNPO asking for the WNPO’s definition of “porting activity” with regard to the maintenance window, Jim Grasser reported that the WNPO agreed with the definition in the 6/02 LNPA draft minutes, but questioned if it should also include audits. **H. L. Gowda, AT&T**, took an ACTION ITEM to rewrite the Maintenance Window document that resulted from PIM 2 to add audits and recovery requests. This will reviewed at the August LNPA meeting.

STATUS: OPEN.

H. L. Gowda provided the attached contribution.



Based on feedback from the group, H. L. took an ACTION ITEM to change the sentence in Item 4 in the attached, currently reading, “**The goal here is to eliminate as much activity as possible that generates any SOA or LSMS messages during the maintenance window so service providers do not have any messages to recover when they come back on-line at the end of the window.” to read, “The goal here is to eliminate all activity that generates any SOA or LSMS messages during the maintenance window so service providers do not have any messages to recover when they come back on-line at the end of the window.”**

It was also noted that the note in Item 1, “Note: SPs maintenance window period and duration will be changed to accommodate Wireless SPs Portability (11/24/2003),” may change based on a decision to be made at the September WNPO meeting. The date will either be 11/24/02 or 11/24/03.

H. L. will make the agreed upon changes, including eliminating any unnecessary bolded phrases, and distribute to the LNPA for review at the September LNPA meeting.

1. Dave Garner, Qwest, requested that NeuStar discuss the impacts of new service providers’ LSMSs coming up and down in production. **NeuStar** took an ACTION ITEM to discuss at the August WNPO.

STATUS: CLOSED.

Gene Johnston, NeuStar, gave a presentation at the August WNPO on Partial Failures, the need to maintain LSMS associations, and the impact to the industry in failing to do so.

1. With regard to the M&P for NANC 356, **Rob Coffman, NeuStar**, took an ACTION ITEM to provide a timeline at the next NAPM/LLC meeting for when all existing SPIDs will be identified and broadcast. This timeline will also be distributed to the LNPA. Advanced notification will be sent to users announcing the timeframe over which these changes will be made.

STATUS: OPEN.

Rob Coffman reported that the LLC confirmed that NANC 356 is still required even though Wireless Porting has been delayed until 11/24/03. Modification of service provider names to add /1 (Wireline), /2 (Wireless), or /3 (other, e.g. Service Bureaus) will begin on 9/3/02, and will last until 10/31/02. These changes require manual updates by NPAC personnel to the OP-GUI, and will be broadcasted as they are modified. A Bulk Data Download will be available for any service provider missing a broadcast. A notice will go out to the Cross-Regional distribution. H. L. Gowda, AT&T, and Colleen Collard, Tekelec, expressed concern over the six week length of time to complete the modifications. It was stated that this increases the likelihood that service providers will be down when broadcasts take place. Charles Ryburn, LNPA Co-Chair, stated this should be taken up with the LLC. Dave Garner, Qwest, suggested that the work be done on a Region-by-Region basis. Rob Coffman, NeuStar, took an ACTION ITEM, to take this suggestion back and develop a Region-by-Region schedule by Friday, 8/23/02, to be distributed to the LNPA by Audrey Herrell, NeuStar.

1. The notifications containing the service provider name with the new delimiter are not recoverable. **NeuStar** took an ACTION ITEM to include a step in the NANC 356 M&P to create a Bulk Data Download (BDD) file with the initial Network Data changes. The BDD will be for Network Data. Only the SPID file is necessary to be downloaded from the FTP site. **Rob Coffman, NeuStar**, also took an ACTION ITEM to investigate if new entities can be identified on the NPAC secure website ongoing for any service provider that may have missed the broadcast.

STATUS: CLOSED.

See steps 8 and 9 in the attached M&P.



1. **Rob Coffman, NeuStar**, took an ACTION ITEM to modify the Turn-up Testing Requirements document and distribute it to the team. See section in these minutes on Turn-up Testing Requirements for agreed upon changes.

STATUS: CLOSED.

Rob sent the attached file on 8/5. The document will be submitted to the NAPM/LLC (September meeting) for review as part of SOW 24. It will also be placed on the NPAC website after LLC approval. Testing for NPAC Release 3.2 will follow these guidelines.



1. With respect to the M&Ps for Reassociation, **Rob Coffman, NeuStar**, took the following ACTION ITEMS.
2. Add note to M&P explaining if a service provider’s SOA and LSMS are on the same router, the service provider must hold off bringing up their SOA by manually taking it off-line.
3. Confirm that the ILECs’ SOA and LSMS systems are on different routers.
4. Check with NeuStar network SMEs to see if service providers’ systems can be put on separate routers in cases where they currently are on the same router.
5. Per H. L. Gowda’s request (AT&T), change the title of the document to read, “**Methods and Procedures for Service Providers Reassociation to the NPAC After Extended Region Service Unavailability Due to NPAC Outage**.”

STATUS: OPEN.

Rob submitted the attached M&P. The group agreed that the note should be changed to read, “It is recommended, if a Service Provider’s SOA and LSMS are on the same router, the Service Provider must hold off bringing up their SOA by manually taking it off-line.” Rob Coffman, NeuStar, took an ACTION ITEM to make the change and distribute the M&P to the LNPA. Dave Garner, Qwest, suggested the finished M&P should be reviewed by the NAPM/LLC.



NeuStar verified that NOT all ILEC SOA and LSMS systems are on different routers. To put a service provider’s SOA and LSMS on different routers when they have the same SPID would require communication based on SPID and function mask, instead of just SPID. Jim Rooks stated this would require a Change Order.

1. PIMs 14 and 15 – At the request of the LNPA, Barry Bishop, NeuStar Pooling Administrator, has modified the CO Code Transfer process document to specify that the new LERG-assignee is not required to take all ten 1K blocks when a code with active ported numbers is transferred and pooled. **LNPA members** have an ACTION ITEM to come prepared to the August meeting to discuss the attached proposed changes and finalize the document.



STATUS: OPEN.

Barry Bishop, NeuStar Pool Administrator, joined the group via conference bridge, to discuss the attached INC Issue 364.



It was noted that not all of the arrows in the Figure on page 2 of the document are numbered. Barry was asked why the codeholder must take all ten 1K blocks in non-pooled areas and responded that there is no pool to which to donate. Adam Newman, Telcordia, stated he believes a LERG 13 will be created in non-pooled areas in November. Dave Garner, Qwest, asked what the backout strategy is when the process is started and mistakes are made. Dave suggested that the entity that originated the transfer, either NANPA or the PA, ensure that it is corrected. Dave agreed to provide an example scenario to Barry Bishop.

There was agreement in the LNPA that the process should be immediately implemented in pooled areas based on current wording of the document. The following ACTION ITEMS were assigned:

1. Barry Bishop, NeuStar PA

* Correct the formatting in the Figure on page 2 of INC Issue 364, and resubmit to INC,
* Change title of process to “CO Code Reallocation Process,”
* Resubmit updated process document to LNPA in two weeks for review and subsequent liaison to INC,
* Speak to NANPA to see if they could track non-retained blocks in non-pooled areas so the codeholder does not have to take all ten 1K blocks in those areas,
* Have the finished document posted on the Pooling website.

1. Dave Garner, Qwest,

* Provide an example scenario requiring a backout strategy for this process to Barry Bishop.

1. In the definition of Backwards Compatibility, the group agreed to modify the last sentence of the 3rd bullet to read, “Also, no NPAC software changes may be made to any existing interface functionality that will require source code modifications to SOA and/or LSMS platforms.” **John Nakumura, NeuStar**, took an ACTION ITEM to make the changes and redistribute to the team.

STATUS: CLOSED.

Revised text was included in the 7/23/02 update to the Change Order package. John Nakamura, NeuStar, took an ACTION ITEM to post the Backwards Compatibility definition on the NPAC website.

1. Dave Garner, Qwest, asked how long upon request for a BDD during business hours will the BDD be available on the requesting service provider’s FTP site. **Rob Coffman, NeuStar**, took an ACTION ITEM to follow up with the answer.

STATUS: CLOSED.

Rob Coffman replied that the timeframe will be 1 to 2 hours.

1. Charles Ryburn, SBC, reported on a discussion that took place in the National Number Portability Operations (NNPO) team related to porting after a code is returned from a carrier going out of business and scheduled for disconnect**. Charles Ryburn, SBC**, took an ACTION ITEM to follow up on the exact scenario and determine why Gene Johnston, NeuStar, recommended a Change Order to put a freeze on porting in the NPAC for this scenario.

STATUS: OPEN.

The group agreed this is a regulatory issue. Charles Ryburn, SBC, agreed to submit this issue to the LNPA as a PIM for the purpose of proposing an industry guideline to address this problem. The group agreed on the following wording to be included in the PIM:

“For NXXs being returned due to a carrier leaving a market, if an industry guideline were in place that established a uniform date certain prior to scheduled disconnect of the NXX code, by which a customer must port their number should they choose to, then steps could be taken in NPAC to prevent porting in that NXX code after that date.”

The following ACTION ITEMS were assigned:

1. Gary Sacra, Verizon,

* Send text proposing establishment of industry guideline to Charles Ryburn for inclusion in new PIM (COMPLETE 8/20/02),

1. Charles Ryburn, SBC,

* Develop and submit PIM for this issue for discussion at 9/02 LNPA and submission to 9/02 NANC meeting for their consideration as a recommendation to FCC.

1. Industry recovery testing is taking place during the weeks of 7/15 and 7/22. The value of this testing was questioned by some due to the inability to recreate the problem. ESI has been able to recreate the problem with little difficulty**. Ron Stutheit, ESI**, took an ACTION ITEM to check with his test engineers to see what test cases were run to recreate the problem. Since all vendors present in the meeting use the DSET toolkit, Ron will share aspects of any toolkit investigations and changes. At this point, it is unclear if this is a Marbin stack issue, a toolkit problem, or OS implementation.

STATUS: CLOSED.

Ron Stutheit, ESI, responded that his test engineers stated that the test scenario that recreated the problem was simply resynching 2K subscription versions. Ron said that the problem occurred every time. A corrupted PDU was observed if the vBuff size was too small. Setting it to 4K seemed to correct the problem.

1. Dave Garner, Qwest, questioned how we will come to any conclusions if we don’t have a coordinator to serve as a data collector for the recovery testing that is taking place. **Rob Coffman, NeuStar**, took an ACTION ITEM to follow up and request that participating service providers provide summaries of their test results. Rob will compile these summaries and report them to the LNPA.

STATUS: CLOSED.

Rob Coffman sent the test summaries to the LNPA Co-Chairs and the LLC on 7/19/02. Results were SPID-specific and were not forwarded to the LNPA distribution. Some service providers were not able to recover all of the data during the testing. The value of masking the SPIDs and distributing the test summaries was questioned and it was decided that the results would not be distributed to the LNPA.

One LSMS vendor stated they have recreated the problem in production and is currently working with NeuStar to determine the root cause. Data is continuing to be collected and analyzed.

Ron Stutheit, ESI, took an ACTION ITEM to ask HP if they will share with NeuStar their test process and program that they used to evaluate their OTS stack and recreate the problem.

1. Jim Rooks, NeuStar, stated that a fix is in development that will return a “Criteria Too Large” notification if a service provider system requests the same timeframe again during recovery. The fix will need to be tested and put in a point release. This will require service provider testing. **Jim Rooks, NeuStar**, took an ACTION ITEM to send out an explanation of the change to the LNPA distribution.

STATUS: CLOSED.

Jim Rooks distributed the explanation on 7/29/02. If the recovery request window is reduced to the minimum of 2 seconds, and you abort, you will get a “Criteria Too Large” on next attempt, and will not be able to recover that time period. AT&T successfully tested the fix with NPAC. The fix is now in production (Release 3.1.4.5). NeuStar must tweak this fix due to different service provider recovery implementations. The schedule is TBD.

1. NANC 319 – The current requirements do not allow for NPAC personnel to manually populate the LATA ID for an NXX code. Gary Sacra, Verizon, questioned if this was prudent in the event it was not populated in the LERG and an emergency port within that NXX needed to be performed. The question was then raised if it is actually possible to have an NXX in the LERG without a LATA ID. **Gary Sacra, Verizon**, took an ACTION ITEM to follow up with the answer.

STATUS: CLOSED.

Adam Newman, Telcordia, stated that an edit in the LERG prevents entry of an NXX code without a LATA ID. There also exists LERG edits to mitigate the possibility of an incorrect LATA ID. Adam also stated that the LATA ID in LERG 6 associated with an NXX is the switch LATA ID, which may not be the LATA ID of the NPA-NXX. He advised we need the LATA ID of the rate center for the NXX in LERG 8. Adam also stated that the chances of having the incorrect LATA ID against the rate center is relatively small. NeuStar will work with Adam to ensure the proper LATA ID is identified to satisfy the requirements of this Change Order.

1. **Service providers** have an ACTION ITEM to work with their vendors and local system support teams to determine if their local systems will be able to implement NANC 323 functionality on 3/4/03, the start of Release 3.2 service provider turn-up testing, and if not, what would be a reasonable sunset period for when they will be ready. Service providers should be prepared to discuss at the August LNPA. **Charles Ryburn will send a notice out to the LNPA distribution and request that NeuStar send out the same notice to their service provider distribution.**

STATUS: OPEN.

This ACTION ITEM for service providers was clarified as follows:

1. Will your SOA/LSMS systems be ready to perform turn-up testing on NANC 323 functionality on 3/4/03, the planned start of Release 3.2 turn-up testing?
2. If no to the above question, when will your systems be ready to test?
3. When will your systems support a SPID migration in production in each Region your production systems operate?

The following table reflects service provider responses to question a) above:

|  |  |  |
| --- | --- | --- |
| **COMPANY** | **SOA** | **LSMS** |
| AT&T | Yes | Yes |
| AT&T Wireless | No | No |
| AWS | ? | No |
| Bell South | ? | ? |
| Cox | ? | ? |
| Nextel | ? (Leaning towards No) | ? (Leaning towards No) |
| Qwest | Yes for some, No for others | Yes for some, No for others |
| SBC | ? | ? |
| Sprint | Yes | No |
| US Cellular | Yes | No |
| Verisign | ? | No |
| Verizon | Yes | No |
| Verizon Wireless | Yes | ? |
| WorldCom | Yes | Yes |
|  |  |  |

As an alternative to testing NANC 323 and the SMURF files, it was suggested that a service provider could test accepting a Bulk Data Download (BDD) to validate that the necessary SPID changes are made in their local systems. This would require an entire replacement of the database, however.

Jim Rooks, NeuStar took an ACTION ITEM, to obtain a list of SOA and LSMS SPIDs by Region and send to Charles Ryburn before the 9/02 LNPA meeting.

Service providers have an ACTION ITEM to come to the 9/02 LNPA meeting prepared to provide the date when they will support a SPID migration in production.

1. Dave Cochran, BellSouth, asked where in requirements does it state that service providers must be able to accept a Bulk Data Download (BDD). Rob Coffman, NeuStar, stated it is a requirement for continued certification testing in Section 2 of Statement of Work (SOW) 24. **Rob Coffman, NeuStar**, took an ACTION ITEM to see if BDD test cases exist in the standard regression tests suite and 3.1 test plan, and if not, he will see that the appropriate test cases are included in the 3.2 test plan.

STATUS: CLOSED.

NeuStar stated that test cases will be added in the 3.2 test plan for NANC 169, 322, and 354. There will be mandatory and optional test cases if the functionality is supported. It was agreed that a delta BDD file will NOT be produced for a requesting service provider if they have not passed certification testing for the functionality.

1. To Be Added to August Agenda:
2. Begin development of Release 3.2 documentation (M&Ps, Test Cases, etc.).

STATUS: To be placed on the 9/02 LNPA agenda. A ½ day in the afternoon of 9/18 will be devoted to 3.2 documentation review. A conference call for Monday, 8/26, from 11am-1pm Eastern, will be held to review the 3.2 GDMO and ASN.1.

1. It was suggested that we may want to consider forming a sub-group to develop

requirements for any Change Orders related to recovery and interface throughput.

This will be discussed and determined at the August LNPA meeting.

STATUS: A sub-team to work the requirements for NANC 347 and beyond will be

established. A kick-off call will be held on 8/23/02, from 11am-12 noon Eastern, to

discuss the logistics of the sub-team and to understand the relevant Change Orders.

John Nakamura, NeuStar CMA, will lead the group.

Change Order Discussion:

* NANC 169 – With regard to the statement in the Change Order package that the Sterling NPAC will have the local time set to Eastern time, Gary Sacra, Verizon, asked if the change will cascade to service provider local systems. NeuStar stated this change will not cascade down and require local system changes.
* NANC 323 – Charles Ryburn, SBC, asked how we will know that a SPID migration completed successfully. It was suggested that NPAC could generate a BDD for service providers to use to compare with their database. NeuStar stated there is no way to have NPAC validate that service providers have successfully loaded the SMURF files. This will also be discussed during the M&P development for NANC 323. Some service providers expressed surprise and concern that routing data cannot be changed with the creation of the SMURF files, only the SPID. Separate mass updates must be performed to change routing data after the SPID is migrated.

NeuStar took an ACTION ITEM to investigate the existing OpInfo message to see if a 323 SPID migration notification can be sent. This will involve both M&P and OP GUI.

New Business:

The remaining meeting time only permitted brief presentations and discussions of the following New Business items. Follow-up will take place at the next LNPA meeting.

* AT&T submitted the attached issue regarding ported-in numbers of non-existent customers remaining in the NPAC database after their service provider ceases service. SBC stated they have the same issue.



* SBC questioned why the codeholder receives snapback messages when a block they donated, which was allocated to another carrier, is de-pooled. It was stated this is necessary in order to notify the codeholder that they are again responsible for vacant number treatment for the TNs in this block, but they should prevent the numbers from being placed into their inventory by their TN administration system. It was determined that the snapback functionality is working as designed.
* SBC stated they have a geographic area in which a rate center crosses NPAC boundaries and they have a need to port between NPAC Regions. It was stated that Cincinnati Bell received Regulatory relief for their St. Louis-East St. Louis case. They were able to have the rate center consolidated into one NPAC Region.
* Verizon raised an issue where New Service Providers are removing ports from Conflict without investigating why the Old Service Provider placed the pending port into Conflict. Many times the Old Service Provider has placed the port into Conflict because there is not a matching LSR. This is an indication that the wrong TN is about to be ported. When the New Service Provider, who is able to remove the port from Conflict after 6 hours, continues with the port, customers can be taken out of service. Verizon will submit this as a PIM for the 9/02 LNPA meeting.
* Adam Newman, Telcordia, discussed an issue that is being addressed in CIGRR. In the near future, an AOCN can populate LERG 13 for pooled blocks in addition to the PA. If this is not done in a timely manner, the block could be activated in NPAC before the block is effective in the LERG. This issue may lead to a proposal to populate the effective date in NPAC via a mechanized feed from the LERG. This is still being discussed in CIGRR.