

# **Wireless Transition Plan to Thousands-Block Number Pooling**

North American Number Council  
Wireless Number Portability Subcommittee  
Wireless Pooling Task Force

April 2002  
V 1.5

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# **1 Purpose**

## **1.1 What is transition?**

The FCC has mandated that Wireless Service Provider's (SPs) participate in Thousands-Block Number Pooling on November 24, 2002. Transition is the process whereby Wireless SPs merge into Thousands-Block Number Pooling (Traditional Pooling).

## **1.2 What is the transition time frame ?**

The Transition period will start no later than August 14<sup>th</sup>, 2002 and will end on November 24<sup>th</sup>, 2002, for all Wireless SPs. By August 14, 2002, all wireless SPs shall submit forecast and donation forms for all NPAs with pool start dates prior to November 24, 2002.

# **2 Background**

## **2.1 Traditional Thousands-Block Number Pooling**

Traditional thousands-block number pooling of geographic telephone numbers, using the LNP capability, is a number administration and assignment process that allocates numbering resources using a shared industry inventory associated with a designated geographic rate area. In the United States, Thousands-Block Number Pooling involves the allocation of blocks of sequential North American Numbering Plan (NANP) telephone numbers within the same NPA/ NXX to different SPs, who serve customers within the same rate area. All ten thousand numbers within each NPA/NXX continue to be assigned to one rate area, but are allocated among multiple SPs at the thousands-block (NXX-X) level. The numbering resource is allocated from a shared industry inventory and is administered in blocks of one thousand numbers (NXX-X) for assignment to SPs participating in that rate area (FCC 00-104, §52.20 (a)).

## **2.2 Native Block Pooling**

NBP is a process that allows wireless SPs to participate in the initial milestones of traditional thousands-block pooling. However, NBP is not traditional Thousands-Block Number Pooling. The allocation is not from a shared industry inventory. NBP is a manual paper process. The NXX cannot be shared with other providers. The blocks within the NXX are reserved for the donating SP's use only. Although NBP by FCC definition is not traditional pooling, it is a process that will allow SPs and the Pooling Administrator (PA) to prepare for the transition to traditional pooling.

The NBP Procedures can be found at <http://www.numberpool.org/nbp/>

# **3 Prerequisites - Prior to August 14, 2002**

## **3.1 NPAC User Agreement**

Participants in traditional Thousands-Block Number Pooling must have the ability to donate "contaminated" thousands-blocks to the pool. Per the INC Thousands-Block Pooling Guidelines ([www.atis.org/atis/clc/inc/incdocs/htm](http://www.atis.org/atis/clc/inc/incdocs/htm)), thousands-blocks in which up to ten percent of the 1000 numbers (or 100 "contaminated" numbers) are already assigned, are still eligible to be donated to the pool.

In order to donate contaminated blocks, SPs must have the capability to perform Intra-SP ports via the Number Portability Administration Center Services Management System (NPAC SMS). These Intra-SP ports allow the SP to retain assigned numbers within the block, since lookups in the number portability database (NPDB) will look for “ported” records before looking for “pooled block” records, therefore the ported number records will be found prior to looking up the pooled block record. This will allow contaminated numbers to be routed properly.

SPs may perform intra-SP ports on the NPAC SMS via a SOA, a Low-Tech Interface, a service bureau, or by having NPAC personnel initiate them. However, prior to having any of these options available to them, SPs must execute a NPAC User Agreement by July 1, 2002.

SPs wishing to enter into a user agreement with NeuStar for the use of the NPAC SMS should access the NPAC web site at [www.npac.com](http://www.npac.com) and select “New Customers” from the menu. All necessary documents and instructions are available there. The following is an excerpt from the web-site as of March 5, 2002:

*All new SPs operating in the United States must do the following to register with and begin using NPAC SMS:*

1. *Download the following documents from the NPAC web site (www.npac.com):*
  - a. [Application for NPAC SMS Services - United States](#)
  - b. [The Non-Disclosure Agreement](#)
2. *Print and sign the Non-Disclosure Agreement. Fill out the Customer Application. You can do this in one of two ways:*
  - a. *Use Adobe Acrobat Reader to fill in the form fields, then print the document and obtain the necessary original signatures.*
  - b. *Print the document, type your information into the application, and obtain the necessary original signatures.*

*Return the Non-Disclosure Agreement and the Customer Application to:*

*NeuStar, Inc.  
Number Portability Administration Center  
Attn: New Customer Coordinator  
200 South Wacker Drive, Suite 3000  
Chicago, IL 60606*

*After the application process is completed, you will receive User Agreements for each region indicated on your application form. Once the User Agreements are processed, the New Customer Coordinator will contact you to assist you through the next steps, which are shown in the process flows in Figure 1, Figure 2, and Figure 3. The next steps include creating an Interconnection Plan (ICP) and completing testing.*

*For more information, SPs may contact the following NeuStar NPAC personnel:*

*New Customer Coordinator                      312.928.4541*

*Customer Support*

*Billing Inquiries*

*Main Office*

*Fax*

*Public Web Sites*

*Secure Web Sites*

[NewCustomerCoordinator@NeuStar.biz](mailto:NewCustomerCoordinator@NeuStar.biz)

*888.NPAC.HELP*

*(888.672.2435)*

*877.245.5277*

*312.928.4500*

*312.382.8080*

<http://www.neustar.com>

<http://www.npac.com>

<http://www.npac.com/secure>

## **3.2 Joinder**

A joinder is a document by which SPs accept the terms of the state contract between the PA and the NAPM LLC, and agree to participate in pooling on the terms contained in the contract. With the selection of a national pooling administrator, NeuStar will not be requiring wireless SPs to sign joinders to participate in either NBP or traditional pooling.

## **3.3 MBI (Mobile Identification Number Block Identifier) Administration**

### **3.3.1 Background**

Prior to the separation of MIN and MDN, AMPS, CDMA, TDMA SPs perform registration, call processing, provisioning, customer care and billing based upon a single number---the MDN. Traditionally, the MDN has been programmed by SPs within the NANP serving area as the 10-digit Mobile Identification Number (MIN).

Given changes in the administration of the North American Numbering Plan, the wireless industry finds it necessary to administer MINs separately to meet its unique requirements. Additionally, with the advent of capabilities such as Number Portability and Number Pooling, separation of the MDN and MIN is necessary.

In a post-separation environment, mobile subscribers will require two types of numbers: a Mobile Directory Number (MDN) and a Mobile Station Identifier (MSID). The MDN will be the dialable NANP telephone number and will be portable in a SP portability environment. The MSID will be non-portable and non-dialable. MSID can take the format of a 15 digit International Mobile Station Identifier (IMSI) or a 10-digit MIN. MBI Administration addresses the management of the 6-digit MBI associated with the 10-digit MIN format MSID.

In a number pooling environment, a new AMPS, TDMA or CDMA subscriber's MIN and MDN may not match when a SP receives a non-native block. In a number portability environment, existing AMPS, TDMA and CDMA subscribers not yet ported will most likely have the same number for both the MIN and MDN. When a subscriber ports, the MDN and MIN become separate and distinct. The ported subscriber's MDN will remain unchanged and port with the subscriber. The donor network will retain the MIN originally assigned to the ported subscriber. The subscriber will receive a new MIN from the recipient network. The donor network can reuse the relinquished MIN for another

subscriber. In a post-separation environment, the same number may be used for a MDN in one network and a MIN in another network.

Conservation and control of MBIs within the NANP area will avoid conflicts with existing NANP area MBI assignments. The *MBI Guidelines and Procedures* document is a wireless industry approved set of rules that govern how MBIs will be managed and allocated by MBI Administration and utilized by the wireless SPs.<sup>1</sup> Adherence to these guidelines will ensure the allocation of this resource in the most efficient and impartial manner.

### 3.3.2 Initial Registration and Schedule

All MIN-based wireless SPs must register existing MBIs and obtain new ones through the MBI Administration group at *NCS Pearson*. A registration package will be mailed to all participating wireless SPs on April 15, 2002.<sup>2</sup> In order to register with MBI Administration, wireless SPs must complete the user agreement and the forms in the mailing package and return them before the wireless SPs can begin utilizing the MBI Administration system when it is available for application processing on May 15, 2002. The cutoff date for registration during the Grandfathering period is June 28, 2002.

MBI Administration will process the MBI service account registration within 10 business days. A Service Account Confirmation Package will be sent to the wireless SP and will include a user ID and password (to be used to log into the MBI Administration system at <http://www.mbiadmin.com>) and an MBI Administration User Manual. Other pertinent dates related to MBI Administration are included in the table below:

Dates	Milestone
April 15, 2002	MBI Administrator mails questionnaire to SPs to set up service accounts
April 15, 2002	Static Web site goes live.
April 15 – June 28, 2002	Wireless SPs submit MBI User Agreement and the initial MBI service account application in order to guarantee inclusion in July 15 MBI assignment list.
May 15, 2002	Web site goes live for service account application changes the beginning of Grandfathering
July 15, 2002	Web site goes live for all activity
July 15, 2002	MBI Administrator will provide a list of all MBIs assigned to each of the wireless SPs
July 15 – Aug. 19, 2002	Wireless SPs may submit change requests against MBIs assignments
July 15 – Aug. 30, 2002	Wireless SPs confirm and pay for MBI grandfathered MBIs.
September 3, 2002	The end of the Grandfathering period when all grandfathered MBIs should be entered into the administration database.

<sup>1</sup> The MBI Guidelines and Procedures, Version 1.15, dated January 19, 2001 can be found on the CTIA website at [http://www.wow-com.com/pdf/MIN\\_2.pdf](http://www.wow-com.com/pdf/MIN_2.pdf).

<sup>2</sup> Wireless service providers can validate the MBI Administration’s mailing information for their companies by emailing to [mbiadmin@ncs.com](mailto:mbiadmin@ncs.com) or by calling 651-683-6400.

Once the wireless SPs receive the username and password identification for their service account(s), additional users may be established, additional service accounts can be defined, and the MBI Grandfathering process can begin through the online system.

### **3.3.3 Grandfathering**

The purpose of Grandfathering is to secure and reserve Mobile Directory Number (MDN) blocks used as MINs prior to the separation of the MIN and the MDN. This is necessary so that the MBI database can be initially populated with an accurate database of MBI resources that are already in use. Wireless SPs can choose to have their MBIs pre-populated through their OCNs that they register with MBI Administration or they can submit each of their MBIs using the appropriate MBI Administration form.

On July 15, 2002, the MBI Administrator will send out a specific list of assigned grandfathered MBIs to those wireless SPs that have valid service accounts created as of July 15, 2002. Wireless SPs will have the ability to perform any updates, or deletions to the MBIs that have been established in the service accounts. Wireless SPs will have the ability to make changes to their MBI inventories through August 19, 2002.

Once wireless SPs have Grandfathered all of their assigned MBIs, they must confirm that the MBI assignments made to the service accounts are complete and correct. At the time of confirmation, payment must be made for all MBIs that are being confirmed. Confirmation can be performed anytime between July 15 and August 30, 2002.

On September 3, 2002, the Grandfathering period will end. After that time, the MBI database will be established and the normal process for assigning MBIs to wireless SPs will commence.

### **3.3.4 Post-Grandfathering Period**

After September 3, 2002 the normal MBI application process will commence. After this period of time, wireless SPs will apply for MBIs on an as needed basis. The *MBI Guidelines and Procedures* stipulate that the wireless SP must certify that the MIN utilization within the service account be 60% or greater to request a new MBI.<sup>3</sup>

From September 3, 2002, to November 24, 2002 SPs can request the same MBI that NANPA assigns as their NPA-NXX. SPs may need to provide the MBI Administrator with a fax'd copy of NANPA's Part 3.

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<sup>3</sup> Under some circumstances, MBI Administration may grant an exception to the 60% utilization factor if the WSP applies for an MBI. Supporting detail must accompany the application.

## 4 Transition to "Traditional Pools" - After August 14, 2002 and Before November 24, 2002

The FCC has mandated that Wireless SPs participate in Thousands-Block Number Pooling on November 24, 2002.<sup>4</sup>

By August 14, 2002, all wireless SPs shall submit forecast and donation forms for all NPAs with pool start dates prior to November 24, 2002. These tasks will be the beginning milestones for non-participants to transition to traditional Thousands-Block Number Pooling.

Before SPs merge into Traditional Pools, Wireless SPs must complete some preliminary tasks. These are discussed below.

The chart below lists the steps a NBP participant or non-NBP participant will need to complete in order to transition to Thousands-Block Number Pooling. Determination of NBP participation should be evaluated on a per-NPA basis.

<b>Process Steps per NPA - During Transition 8/14/02 - 11/24/02</b>	<b>NBP Participants</b>	<b>NON-NBP Participants</b>
<b>First Implementation Meeting</b> The meeting held by the PA for all participating SPs to develop the time intervals between thousands-block pooling milestones	All NBP FIMs have been completed by NeuStar	NeuStar will conduct an educational meeting in July. Go to <a href="http://www.numberpool.org">www.numberpool.org</a> for transition dates
<b>Forecast Report Due Date</b> The deadline for SPs to report their forecasted thousands-block demand using the thousands-block Forecast Report Form	NBP participants will have already filed the forecast report. Revisions may be required.	Forecast reports for all NPAs are due to PA by August 14, 2002 – Forecast will be for 12 months from pool start date of 11-24-2002
<b>Block Protection Date</b> The deadline for SPs to “protect” specified thousands-blocks (those with up to 10% contamination) from further contamination within SP assignment systems	SPs need to validate block protection of all previously donated blocks by August 14, 2002	Block Protection must be completed by August 14, 2002
<b>Service Provider Inventory</b> SPs may maintain a rolling six-month inventory of available blocks for each pool	Beginning with each pool start date	Beginning 11-24-2002
<b>Block Donation Identification Date</b> The deadline for SPs to report their surplus/deficiency of thousand-block to the PA.	Completed	Donation reports for all NPAs are due to PA by August 14, 2002
<b>Semi-annual Forecast due by all Pooling participating SPs both wireline and wireless</b>	August 1, 2002	February 1, 2003
<b>National Pooling Administrator Assessment</b>	The PA will complete its assessment of all	The PA will complete its assessment of all

<sup>4</sup> Second Report and Order, Order on Reconsideration in CC Docket No. 96-98 and CC Docket No. 99-200, para. 50.



<b>Process Steps per NPA - During Transition 8/14/02 - 11/24/02</b>	<b>NBP Participants</b>	<b>NON-NBP Participants</b>
<p>The deadline for the PA to aggregate and evaluate SP thousands-block donation information and determine, on a rate area basis, whether there is a surplus of thousands-blocks or whether there is a deficiency and an additional NXX code(s) is required to establish the 6-month inventory. The time interval for this activity should be established at the First Implementation Meeting.</p>	<p>pooled NPAs by September 4, 2002</p>	<p>pooled NPAs by September 4, 2002</p>
<p><b>NPAC Updates</b> All associated LRNs must be populated in the NPAC. All NPA/NXXs in pooling must be flagged in the NPAC as LNP capable for call routing.</p>	<p>For LRN population in the NPAC there is no implementation interval. For NPA/NXX NPAC population it must be completed 5 days prior to the first intra-SP port in each NPA-NXX.</p>	<p>For LRN population in the NPAC there is no implementation interval. For NPA/NXX NPAC population it must be completed 5 days prior to the first intra-SP port in each NPA-NXX.</p>
<p><b>LERG Updates</b> SP must mark their NPA-NXX codes as portable=YES in the LERG. The methods available to the SP depend upon the number of NXX codes assigned to the SP.</p>	<p><b>If an OCN has 100 or more NXXs:</b></p> <p><b>OPTION 1</b> Telcordia Routing Administration (TRA) will upon request make mass updates to wireless OCN NXXs. A mass update is defined as the need to change 100 or more records.</p> <ul style="list-style-type: none"> <li>• SP must notify TRA of mass update request by 05/01/02</li> <li>• TRA completes mass updates by 10/1/02</li> <li>• Contact the TRA Customer Service Center on 732-699-6700 for more information.</li> </ul> <p><b>OR</b></p> <p><b>OPTION 2:</b></p> <ul style="list-style-type: none"> <li>• SPs via their AOCN must mark all codes by 10/1/02</li> </ul> <p><b>If OCN has Less than 100 NXXs</b></p> <ul style="list-style-type: none"> <li>• SPs must mark all codes via their AOCN by 10/1/02</li> <li>• See section 4.3</li> </ul>	<p><b>If an OCN has 100 or more NXXs:</b></p> <p><b>OPTION 1</b> Telcordia Routing Administration (TRA) will upon request make mass updates to wireless OCN NXXs. A mass update is defined as the need to change 100 or more records.</p> <ul style="list-style-type: none"> <li>• SP must notify TRA of mass update request by 05/01/02</li> <li>• TRA completes mass updates by 10/1/02</li> <li>• Contact the TRA Customer Service Center on 732-699-6700 for more information.</li> </ul> <p><b>OR</b></p> <p><b>OPTION 2:</b></p> <ul style="list-style-type: none"> <li>• SPs via their AOCN must mark all codes by 10/1/02</li> </ul> <p><b>If OCN has Less than 100 NXXs</b></p> <ul style="list-style-type: none"> <li>• SPs must mark all codes via their AOCN by 10/1/02</li> <li>• See section 4.3</li> </ul>

<b>Process Steps per NPA - During Transition 8/14/02 - 11/24/02</b>	<b>NBP Participants</b>	<b>NON-NBP Participants</b>
<p><b>LRN Assignments</b> LRN assignments are required per the INC LRN Assignment Guidelines and must be input into the LERG.</p>	<p>SPs must input their LRNs in the LERG via their AOCN by 10/1/02. See section 4.1.</p>	<p>SPs must input their LRNs in the LERG via their AOCN by 10/1/02. See section 4.1.</p>
<p><b>Intra-Service Provider Ports</b> An intra-SP port allows a SP to retain unavailable TNs in contaminated thousands-block that are being donated to an industry inventory pool. Specifically, numbers assigned to customers from donated thousands-blocks that are contaminated will be ported back to the donating SP to enable it to continue to provide service to those customers. The recommendation is to stagger the creates and activates of intra-SP ports between 09/01/02 and 11/01/02 in order to avoid LSMS/SOA congestion in the network.</p>	<p>Complete all Intra-SP ports in NPAC of contaminated numbers in donated blocks by November 01, 2002</p>	<p>Complete all Intra-SP ports in NPAC of contaminated numbers in donated blocks by November 01, 2002</p>
<p><b>Block Donation Date - November 1, 2002</b> The deadline for SPs to donate their thousands-blocks. This is also the date by which all providers participating in Thousands-Block Number Pooling in the NPA must have all their Intra SP ports completed.</p>	<ul style="list-style-type: none"> <li>• SP must confirm donation of blocks identified in block donation forms – if there are changes to be made contact the PA immediately for action that needs to be taken.</li> <li>• PA will summarize blocks donated and provide to TRA by 11/10/02</li> <li>• Block Donation Date is 11/01/02.</li> </ul>	<ul style="list-style-type: none"> <li>• SP must confirm donation of blocks identified in block donation forms – if there are changes to be made contact the PA immediately for action that needs to be taken.</li> <li>• PA will summarize blocks donated and provide to TRA by 11/10/02</li> <li>• Block Donation Date is 11/01/02.</li> </ul>
<p><b>Pool Start Date</b> The date the PA may start allocating thousands-blocks from the industry inventory pool to SPs. This is also the start date for SPs to send requests to the PA for thousands-blocks.</p>	<p>November 24, 2002</p>	<p>November 24, 2002</p>

#### 4.1 LRN Assignment

Location Routing Numbers (LRNs) need to be set up for each SP. A SP should select and assign one (1) LRN per switch per LATA per NPAC region within their switch coverage area. Other LRNs may be needed, due to network configurations. (See INC LRN Guidelines, [www.atis.org/atis/clc/inc/incdocs/htm](http://www.atis.org/atis/clc/inc/incdocs/htm))

LRNs are used for routing identified blocks to the proper SP's switch for call termination, and for numbers individually ported within blocks (contaminated numbers).

LRNs must be published in the LERG. If a SP is not utilizing mass updates through TRA, LRNs should be identified and input into BIRRDs no later than July 12, 2002 for a November 24, 2002 pool start date. If a SP is doing a mass update provided by TRA, i.e.

more than 100 records, it is recommended that at a minimum the effective dates of the LRN LERG updates match the effective dates of the schedule for opening codes in the LERG. (See Appendix B)

## **4.2 NPAC Notification**

### **4.2.1 Portable NXX Codes**

The NPAC must be notified 5 days prior to the first intra-SP port to open the NXXs as portable. The last day for NPAC notification is October 28, 2002. See Appendix B for the Wireless Number Portability Operations Team recommended guideline for opening codes as portable in the NPAC.

### **4.2.2 LRN NPAC Notification**

LRNs are also input into the NPAC via the SOA, LTI interface, service bureau, or NPAC Help Desk<sup>5</sup>, with an associated point code.

## **4.3 LERG Effective Dates (BIRRDs Updates)**

### **4.3.1 Marking NXX Codes as Portable in the LERG**

SPs' NXXs must be opened as **Portable = Yes** in the LERG.

- SPs may update NXX codes by the SPs AOCN; or
- SPs may request Telcordia Routing Administration (TRA) to perform mass updates to wireless OCN NXXs. A mass update is defined as the need to change 100 or more records per OCN. This activity must be scheduled in advance with TRA by May 1, 2002 for LERG updates, and LERG updates must be completed by October 1, 2002. No mass updates will be scheduled for the last week of any month. An OCN may request an update to be made for all NXXs in an NPA or only certain NXXs in an NPA. A sample Microsoft Excel file will be provided. Contact the TRA Customer Service Center on 732-699-6700 for more information.

See Appendix B for the Wireless Number Portability Operations Team recommended guideline for opening codes as portable in the LERG.

Marking NXX codes as Portable = Yes in the LERG is not a prerequisite to doing intra-SP ports.<sup>6</sup> However, the completion of marking the codes as portable in the LERG is a necessary transition step.

**IMPORTANT:** Prior to the codes being marked as portable in the LERG, the switches must be marked as portable in the LERG. However, this is purely an administrative action and does not require that the switch be fully LNP capable until 11/24/02.

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<sup>5</sup> NeuStar Help Desk service charges may apply.

<sup>6</sup> Neither the numbers nor the codes nor the blocks have been assigned to another switch. Incoming calls to all numbers within the code will still route to the same switch.

### **4.3.2 Marking NXXs as Pooled in the LERG**

By November 10, 2002, the Pooling Administrator will provide TRA with a file of all donated NPA-NXX-X blocks. TRA will run a reverse utility to populate BIRRDS, which feeds the LERG, with the retained thousands-blocks in Table 13. The utility also automatically marks all NXX codes from which a block has been donated as Thousands-Block Pooling Indicator = Y in Table 6. After the utility has been run for an NPA, on a going forward basis, any NXX which must be updated to be Thousands Block Pooling Indicator = Yes is done so by the NANPA Code Administrator at the request of the PA.

### **4.4 Intra Service Provider Ports**

As part of the transition process to Traditional Pooling, SPs must complete intra-SP ports on all contaminated numbers in donated blocks by November 3, 2002. During NBP and the transition to traditional pooling, thousands-blocks with 10% or less contamination must be donated to the pool to the extent they are in excess of a SP's six months inventory.

For intra-SP ports, the SP must identify point codes (DPC, SSN, etc) values for services offered by the SP. Services that use point codes are identified on the Part 1B form, i.e. CLASS, CNAM, LIDB, ISVM, and WSMSC. It is imperative that correct point code information for each intra-SP port is entered. Wrong or missing point codes (DPC, SSN, etc) will result in negative customer service impacts. Point codes are used in SS7 message routing. If users do not know how to populate these fields contact someone in your company who is familiar with SS7.

### **4.5 Block Donation Errors**

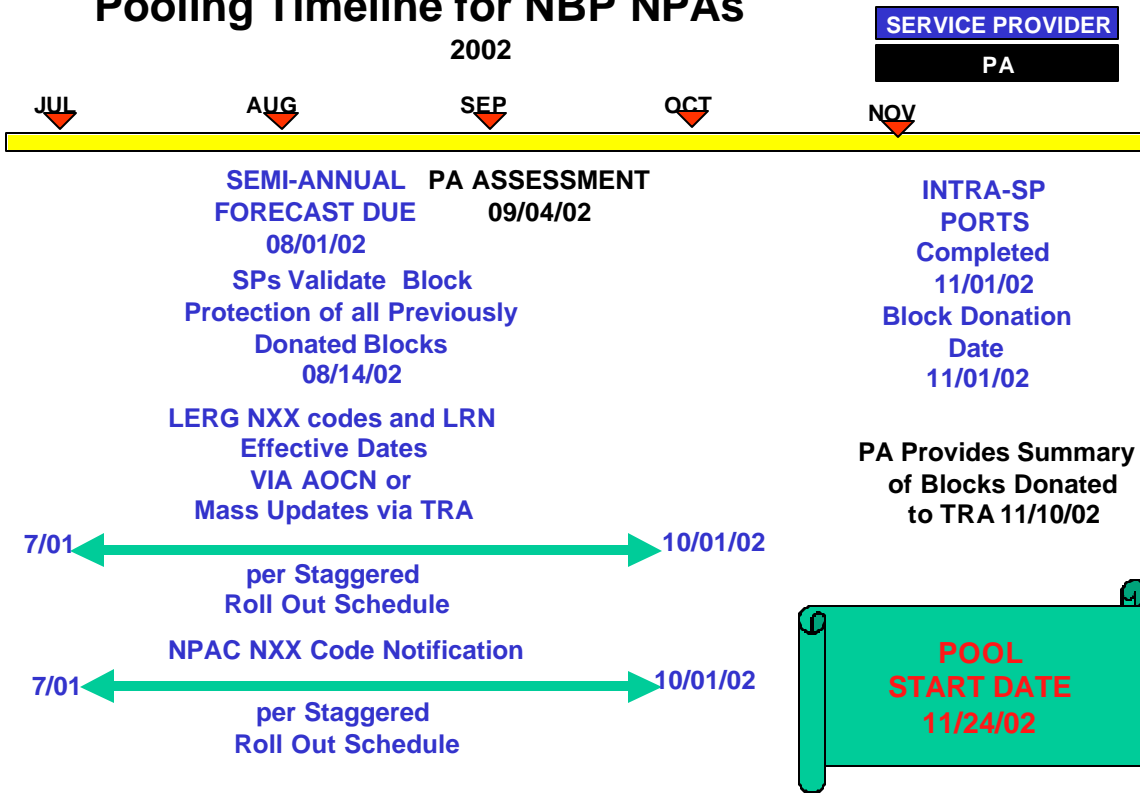
Prior to intra-SP porting (November 3, 2002), a final check should be done in each SP's inventory to verify that numbers donated to the pool are not in use in the donating SP's network. When thousands-blocks are donated to the pool, they should be removed from the SP's inventory at that time, however, a final check should also be done. If previously non-working numbers in the donated blocks are found to be working in the SP's network, contact the PA immediately.

## **5 Number Resource Utilization and Forecast (NRUF) Reporting**

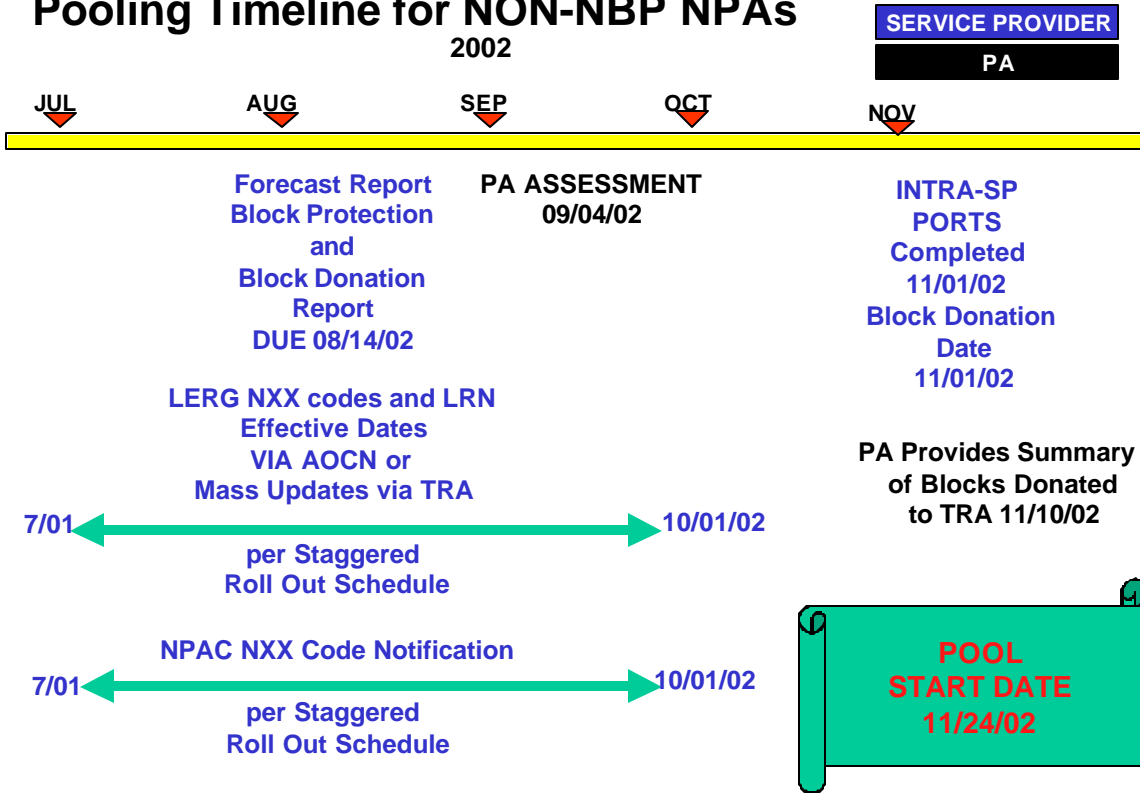
There are no changes to the August 1, 2002 NRUF. During transition to Thousands-Block Number Pooling SPs would file the August 1, 2002 NRUF as non-pooling SPs. Starting with the February 1, 2003 NRUF, wireless SPs will be using the F2A or F2B forms in those NPAs that are in pooling signifying that the SP is filing as a pooling SP.

APPENDIX A - Implementation Timeline

# Wireless Thousand Block Number Pooling Timeline for NBP NPAs



# Wireless Thousand Block Number Pooling Timeline for NON-NBP NPAs



APPENDIX B - Wireless Number Portability Operations – Schedule for Opening Codes in the NPAC and the LERG - Revised as of May 16, 2002

The purpose of this document is to serve as a guideline for the process of marking codes “portable” for those NPAs that will be transitioned as Pooled NPAs on November 24, 2002. Service providers should utilize the following schedule in determining their NPAC notification schedule and the effective dates that are submitted with LERG notifications. The LERG notification date is decided upon by the carrier, but should be completed no less than 60 days prior to the effective date. The WNPO recommends that the LERG notification be submitted by OCN for efficiency and economy. The NPAC effective date is decided upon by the carrier, but should be prior to September 1, 2002. The NPAC notification date should occur no fewer than 5 days prior to intra-service provider porting.

It is imperative that service providers also remember to open their codes to be used in intercarrier testing. If needed, those codes can be opened in the LERG and NPAC earlier than the dates specified below.

Note: In the matrix below, “Pooling NPAs” refers to those NPAs in Groups 1 through 7 which include NPAs that have been listed in the first three quarters of the National Pooling Rollout Schedule, as well as the catch-up schedule for Native Block Pooling, where applicable.

**Definitions:**

**LERG Notification Date** - The date on which a code opening request is submitted to the LERG.

**LERG Effective Date** - The date on which the code is “portable” in the LERG. The LERG effective date should not be less than 60 days after the LERG notification date, to ensure the update appears in the LERG.

**NPAC Notification Date** - The date on which a code opening request is submitted to the NPAC. The NPAC notification date should not be less than 5 days prior to the actual use of that code for pooling and/or porting (this includes intercarrier testing and intra-service provider porting).

**NPAC Effective Date** - The date on which the code is opened for pooling and/or porting in the NPAC.

<b>Schedule for Opening Codes in the NPAC &amp; LERG per NPA Group</b>				
<b>NPA Group</b>	<b>NPAC Notification Date</b>	<b>Latest NPAC Effective Date</b>	<b>LERG Notification Date (for mass updates by OCN)</b>	<b>LERG Effective Date</b>
Group 1	7/12/02	9/1/02	5/1/02	7/1/02
<b>Group 2</b>	7/19/02	9/1/02	5/1/02	7/15/02
<b>Group 3</b>	7/26/02	9/1/02	5/1/02	8/1/02
<b>Group 4</b>	8/2/02	9/1/02	5/1/02	8/15/02
<b>Group 5</b>	8/9/02	9/1/02	5/1/02	9/1/02
<b>Group 6</b>	8/16/02	9/1/02	5/1/02	9/15/02
<b>Group 7</b>	8/23/02	9/1/02	5/1/02	10/1/02

Note: For any new codes obtained prior to 11/24/02, service providers need to ensure to open them for pooling and porting in the NPAC and the LERG.

**NPA Group Definitions:**

Note: The catch-up NPAs for Native Block Pooling are included in Groups 1 through 5, the NPAs for the first three quarters of the national rollout schedule begin in Group 5.

GROUP 1

224	847	773	515	402	412	878	724	207	617	857
774	607	646	405	276	540	813	336	210	602	941
508										

GROUP 2

631	708	630	313	570	484	610	301	240	413	862
973	845	914	718	757	386	704	980	713	832	281

GROUP 3

858	509	312	816	717	351	978	339	781	315	347
212	917	802	754	954	901	480	503	971	919	984

GROUP 4

317	860	732	848	305	786	904	886	518	310	619
415	714	541	314	410	443	201	551	385	801	585
909	504									

GROUP 5

615	408	707	925	562	818	219	574	260	603	516
716	561	772	512	510	805	323	650	916	360	918
564	425	815	214	469	972	507	302	626	734	949
206										

GROUP 6

202	209	505	575	440	641	203	434	804	303	720
573	404	678	770	401	703	571	407	321	262	409
660	316	712	208	612	215	267	445	856	609	251



GROUP 7

865	205	618	248	616	269	810	760	559	530	947
908	304	814	423	985	727	318	517	586	937	765
636	936	940	817	682	651	520	213	831		