National Number Pooling Requirements

Document Change History:

5/20/98

1. Updated definitions, added "blank directory" and "TN re-assignment" table.

2. Updated section 3, added initial requirements for NPA-NXX and LRN validation. Updated NPAC Customer Data Model (for EDR flag). Also, Number Pooling ~~Block~~NPA-NXX-X Holder Information Model, and requirements RR3-27.1 through RR3-34.1, RR3-25, and RR3-26. Also added initial requirements for ~~Sub-Block~~Block discussion.

3. Updated section 8, issue with audit and notification suppression to SOA, depending on value of ERD flag to LSMS.

4. Updated section 9, consolidated requirements for reports.

6/1/98

1. Updated definition for "vacant number treatment".

2. Updated ~~Block~~NPA-NXX-X and ~~Sub-Block~~Block sections based on discussion.

3. Added comments to SV section related to discussion in Chicago.

6/29/98

?1 Re-worked most areas of document, to accommodate new direction (i.e., sub-blocks over the SOA).

8/17/98

?2 Updated ~~Block~~NPA-NXX-X Holder section for issues discussed in Denver.

?3 Incorporated new requirements for "pending-like, no active" edits.

8/31/98

?4 Updated all sections.

?5 Put in sub-section headers and re-numbered all sections based on functionality.

10/9/98

1. Updates based on 9/16/98 (Seattle), 9/21-25/98 (Kansas City), and 10/5-10/7 (New Orleans) Number Pooling meetings.

2. Changed references for Block and Sub-Block to match those found in the GMDO, ASN, and IIS flows. The Block is now referred to as "NPA-NXX-X" and the Sub-Block is now referred to as the "Block".

3. Added requirements for NPA-NXX-X notification.

4. Added requirements to capture the necessary synchronization that must be performed by the NPAC SMS for Block and associated Subscription Versions, within a 1K Range.

Number Pooling Requirement Overview

The National Number Pooling Requirements document provides a set of requirements developed by NANC T&O, as a "target architecture" approach for a national solution to Number Pooling.

The following definitions apply in the requirements that follow:

- Code Holder – The code holder is the LERG assignee owner of the NPA-NXX.

- Block Holder – The recipient Service Provider of a 1K Block1K Block from the code holder. Also defined as the NPA-NXX-X holder in the LERG.

- BlockNPA-NXX-X – A range of 1000 pooled TNs within the NPA-NXX, beginning with a station of n000, and ending with n999, where n is a value between 0 and 9. From an NPAC perspective, this is considered Network Data.

- Sub-BlockBlock – A range of 1000 pooled TNs within the NPA-NXX, beginning with a station of n000, and ending with n999, where n is a value between 0 and 9.A range of pooled TNs, between size x and 1000 TNs. Currently, x equals 1000.

- Pre-Port – Porting of an entire block of TN's from the code holder to the block holder on, or after, the effective date of the pool. This is supported for the National Number Pooling architecture (the sub-block will be the same size as the block, i.e., 1000 TNs).

- Port on Demand – Porting of a single TN or range of TN's from the code holder to the block holder at a time desired by the block holder that is on, or after, the effective date of the pool. This is NOT supported for the National Number Pooling architectureNote: this is not used for the current architecture.

- Number Pooling BlockNPA-NXX-X Holder Information –Data in the NPAC SMS that contains the first 7-digits of a range of TN's, the block holder (service provider), and the effective date of the block. Also referred to as "dash X" data.

- Number Pooling Sub BlockBlock Information – Data in the NPAC SMS that contains the first 7-digits of a 1K range of TN's (could be the entire set or a sub-set of the block, however, for the initial implementation, it will include the 1K range of TNs), default routing for a sub-block of TNs, and the activation timestamp of the TN's within the 1K range. Also referred to as "Block" data.

- De-Pool – Return of a 1K pooled block to the Number Administrator. Also referred to as "un-allocation of the block".

- Vacant Number – A non-working number.

- Vacant Number Treatment – A recorded announcement played to the calling party, when the NPA-NXX of the TN they have dialed is valid, but the 10-digit TN is not a working number.

- Default Routing Restoration – reinstatement of the default routing for the TN as defined in the applicable block/sub-block information, in order to provide vacant number treatment.

- Snapback – Notification for TN reassignment.

- Contaminated Numberion – An unavailableworking number (e.g., working), within a 1K Block1K Block, at the time prior to the 1K Block1K Block is being donated to the Pooling Administrator.

- Pending-like SVs – SVs that contain a status of pending, conflict, cancel-pending, or failed.

- Active-like SVs – SVs that contain a status of active, sending, partial failure, old with a Failed SP List, or disconnect pending.

- Effective Date – The date that is considered to be the "ownership switchover" date for the 1K Block1K Block from the Code Holder (NPA-NXX owning SP) to the Block Holder (NPA-NXX-X owning SP). This is the date published by the LERG, and is also used by the Pooling Administrator and the NPAC.

- EDR (Efficient Data Representation) – The ability to represent 1000 TNs as a range.

- EDR within the NPAC – A storage mechanism where a 1K range of TNs is represented, stored, and communicated, as a single Block entity (i.e., a Block that equates to the 1000 TNs within the 1K range).

The following table portrays **"vacant number treatment"** responsibility and **"snapback for TN re-assignment"** notifications throughout each phase of number pooling, once the Block has been donated to the Pooling Administrator:

Vacant Number Treatment	Pre effective date	post effective date	post Sub-BlockBlock activation
Contaminated disconnect	Code holder	Code holder	Block holder
Non-contaminated	Code holder	Code holder	Block holder
Snapback for TN re-assignment			
Contaminated disconnect	Code holder*	Block holder	Block holder
Non-contaminated	N/A	N/A	Block holder

* = Code Holder receives a notification but CANNOT reassign this TN.

At the present time, the National Number Pooling approach includes the following:

0 Pre-Port ~~1K Block~~1K Blocks to a single switch (i.e., all 1000 TNs contain same LRN).

1 EDR (Efficient Data Representation) captured through the use of "~~sub-~~blocks" in the NPAC, and over the SOA-to-NPAC and NPAC-to-LSMS interfaces.

2 The ~~Block~~NPA-NXX-X Holder Information in the NPAC is the same as the ~~1K Block~~1K Block managed by the Pooling Administrator, and represented in the LERG.

3 The ~~Block~~NPA-NXX-X Holder Information is broadcast over the NPAC-to-LSMS interface to all Service Providers in that NPAC region (exclusive of those that have filters for the NPA-NXX), for the opening of NPA-NXX-X data to the NPA-NXX-X Holder, just like NPA-NXX openings today.

4 The ~~Block~~NPA-NXX-X Holder Information's "Effective Date" is the date the LERG, the Pooling Administrator, and the NPAC, consider to be the "ownership switchover" date for the ~~1K Block~~1K Block from the Code Holder (NPA-NXX owning SP) to the Block Holder (NPA-NXX-X owning SP).

5 At the time of ~~Block~~NPA-NXX-X creation, the NPAC will check for "pending-like, no-active" SVs or pending-like Port-To-Original SVs. If any are found, the NPAC will reject the creation of this ~~Block~~NPA-NXX-X. An error message (new error message and error number for ~~Block~~NPA-NXX-X) will be generated for the NPAC personnel. An "error dialog with a transition mechanism" will be developed that allows the NPAC personnel to easily generate ~~this~~ the Pending-Like No-Active Subscription Version report and Pending-Like Port-to-Original Subscription Version report (e.g., user gets prompted for reports, "Print the reports now, O.K. / Cancel").

6 The ~~new~~ Pending-Like No-Active Subscription Version report and Pending-Like Port-to-Original Subscription Version report will be created that is visible to NPAC personnel. The report will contain TN, SV ID, Old SP, New SP, Due Date, and Status.

7 The recipients of the ~~this~~ Pending-Like No-Active Subscription Version report and Pending-Like Port-to-Original Subscription Version report (e.g., Pooling Administrator, Code Holder) will have their own M&P (outside of NPAC) to clean up these SVs (either cancel or activate). Once they are cleaned up, NPAC personnel will await notification from the Pooling Administrator prior to attempting the ~~Block~~NPA-NXX-X creation again **(need input from INC before proceeding with this one)**.

8 The NPA-NXX-X Holder Information is broadcast over the NPAC-to-LSMS interface, when the SP's NPA-NXX-X flag in the SP Profile record in the NPAC, is set to TRUE (non- NPA-NXX-X compatible LSMSs do not receive a broadcast, since the SP's NPA-NXX-X flag is set to FALSE).

9 Once the ~~Block~~NPA-NXX-X has been created on the NPAC, the Code Holder is prohibited from performing intra-service provider ports. If TNs were missed during the Code Holder's pre-donation intra-port activities, then NPAC personnel only are allowed to perform these intra-service provider port creates of SVs with no previously active SV, on behalf of the Code Holder.~~,~~ The ~~and~~ subsequent activates of these LISP ports can be performed by either the Code Holder or NPAC personnel. The NPAC will allow NPAC personnel, via the Ops GUI, to create these LISP ports up to the effective date (11:59p of the day prior to the effective date), and to activate these LISP ports up to the activation date/time.

10 The TN Range in the NPA-NXX-X and ~~Sub-Block~~Block are the same~~Holder Information in the NPAC is a sub-set of the Block Holder Information. At the present time, they are equal (i.e., both contain all 1000 TNs)~~.

11 Once the ~~Block~~NPA-NXX-X's Effective Date has been reached, the ~~Sub-Block~~Block will be created (either from a scheduled event on the NPAC, or from a SOA sending up the ~~Sub-Block~~Block).

12 The ~~Sub-Block~~Block Holder Information is broadcast over the NPAC-to-LSMS interface, when the SP's LSMS EDR flag in the SP Profile record in the NPAC, is set to TRUE (non-EDR LSMSs get individual SVs, since the SP's LSMS EDR flag is set to FALSE).

13 The ~~Sub-Block~~Block Holder Information's "Activation Timestamp" is the date/time the NPAC broadcasts sub-block or SV data to the applicable LSMSs. Only at this point in time are all SPs notified of the "ownership switchover" date for the ~~1K Block~~1K Block from the Code Holder (NPA-NXX owning SP) to the Block Holder (NPA-NXX-X owning SP).

14 The ~~Sub-Block~~Block Holder Information's SOA notification is ~~conditionally~~ broadcast over the SOA to NPAC Interface, when the SOA Origination on the Block record is set to TRUE. ~~The decision is based on the SOA Origination on each Sub-Block record.~~

15 At the time of ~~Sub-Block~~Block creation by the **NPAC** (attempted on or after the ~~Block~~NPA-NXX-X's Effective Date), the NPAC will check for "pending-like, no- active" SVs ~~or pending Port-To-Original SVs~~. If any are found, the NPAC will reject the creation of this ~~Sub-Block~~Block. An error message (new error message and error number for ~~Sub-Block~~Block) will be generated for the NPAC personnel. An "error dialog with a transition mechanism" will be developed that allows the NPAC personnel to easily generate ~~this~~ the Pending-Like No-Active Subscription Version report (e.g., user gets prompted for report, "Print the report now, O.K. / Cancel").

16 At the time of ~~Sub-Block~~Block creation by the **SP's SOA** (attempted on or after the ~~Block~~NPA-NXX-X's Effective Date), the NPAC will check for "pending-like, no- active" SVs ~~or pending Port-To-Original SVs~~. If any are found, the NPAC will reject the creation of this ~~Sub-Block~~Block. An error message (new error message and error number for ~~Sub-Block~~Block) will be generated and sent back to the SP's SOA. A new M&P will require the SP to contact NPAC personnel (USA) and request the generation of the Pending-Like No-Active Subscription Version report.

17 The ~~new~~ Pending-Like No-Active Subscription Version report will be created ~~that is visible to NPAC personnel. The report~~ and will contain TN, SV ID, Old SP, New SP, Due Date, and Status.

18 Block Create messages over the SOA-to-NPAC SMS Interface will set the SOA Origination to TRUE.

19 The recipients of this report (e.g., Pooling Administrator, Code Holder) will have their own M&P (outside of NPAC) to clean up these SVs (either cancel or activate) by the Code Holder and the NPAC Personnel. Once they are cleaned up, NPAC personnel will await notification from the ~~Pooling Administrator~~ _____ prior to attempting the ~~Sub-Block~~Block creation again (if it is NPAC initiated), or contacting the Block Holder SP and informing them that they could re-submit the ~~Sub-Block~~Block request.

20 Once the ~~Sub-Block~~Block has been created on the NPAC, most of the NPAC functionality remains the same. The differences include, Port-To-Original (PTO) must now be the ~~Block~~NPA-NXX-X Holder SP, PTO activates and all disconnects broadcast different SV data to non-EDR LSMSs (M-CREATE) and EDR LSMSs (M-DELETE).

21 See attachment _____ for Block and SV behavior.

22 A new boolean in the NPAC Customer Data Model will be added to indicate whether or not the Service Provider accepts NPA-NXX-X downloads from the NPAC (TRUE = yes, FALSE = no).

23 A new boolean in the NPAC Customer Data Model will be added to indicate whether or not the Service Provider uses Efficient Data Representation on the Local SMS (TRUE = yes, FALSE = no).

24 The two new objects that will be broadcast over the interface include the NPA-NXX-X (1K Block) openings (similar to today's code opening of NPA-NXX), and Block for EDR compatible Local SMSs that replace the 1000 TNs of POOL'ed numbers within the 1K Block.

25 The baseline for any requirements that begin with "RR…" is IIS/FRS 1.10.

26 The baseline for the National Number Pooling requirements is the Illinois Number Pooling NPAC Release 1.4.

Requirements

Section 3 Modifications

FRS Section 3.1.2

NPAC CUSTOMER DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
NPAC Customer ID	C (4)	√	An alphanumeric code which uniquely identifies an NPAC Customer.
NPAC Customer Name	C (40)	√	A unique NPAC Customer Name.
NPAC Customer Allowable Functions	M	√	Each bit in the mask represents a boolean indicator for the following functional options: • SOA Management • SOA Network Data Management • LSMS Network Data Management • LSMS Data Download • LSMS Queries/Audits
• NPAC Customer NPA-NXX-X Indicator	B	√	A boolean that indicates whether the NPAC Customer accepts NPA-NXX-X downloads from the NPAC SMS. The default value is False.
NPAC Customer LSMS EDR Indicator	B	√	A boolean that indicates whether the NPAC Customer utilizes Efficient Data Representation (EDR) on the LSMS. The default value is False.

EDR-10   Service Provider NPA-NXX-X Indicator

NPAC SMS shall provide a mechanism for the Service Provider to indicate whether or not they manage the 1K Block using NPA-NXX-X, and want Number Pooling Block Information downloaded to their Local SMS via the NPAC SMS to Local SMS Interface, using the Number Pooling NPA-NXX-X Object.

EDR-20   Service Provider NPA-NXX-X Indicator – Default

NPAC SMS shall default the NPA-NXX-X Indicator to **FALSE**.

EDR-30   Service Provider NPA-NXX-X Indicator – Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the NPA-NXX-X Indicator on the NPAC Customer record.

EDR-40   Service Provider NPA-NXX-X Indicator – Downloads

NPAC SMS shall download NPA-NXX-X data, via the NPAC SMS to Local SMS Interface if the indicator is **TRUE**.

EDR-150   Service Provider EDR Indicator

NPAC SMS shall provide a mechanism for the Service Provider to indicate whether or not they manage the 1K Block1K Block using Efficient Data Representation (EDR), and want Number Pooling Sub-BlockBlock Information downloaded to their Local SMS via the NPAC SMS to Local SMS Interface, using the Number Pooling Sub-BlockBlock Object.

EDR-260   Service Provider EDR Indicator – Default

NPAC SMS shall default the EDR Indicator to **FALSE**.

EDR-370   Service Provider EDR Indicator – Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the EDR Indicator on the NPAC Customer record.

FRS Section 3.1.3

SUBSCRIPTION VERSION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
Version ID	N	√	A unique sequential number assigned upon creation of the Subscription Version.
LRN	TN	√	The LRN is an identifier for the switch on which portable NPA-NXX-XXX-X's reside.
Old Service Provider ID	C (4)	√	Old Service Provider ID.
New Service Provider ID	C (4)	√	New Service Provider ID.
TN	TN	√	Subscription Version telephone number.
Local Number Portability Type	E	√	Number Portability Type. Valid enumerated values are: LSPP - Local Inter-Service Provider Portability (0) LISP - Local Intra-Service Provider Portability (1) POOL - Pooled Block Number Port (2)
Status	E	√	Status of the Subscription Version. The default value is P for Pending. Valid enumerated values are: X - Conflict (0) A - Active (1) P - Pending (2) S - Sending (3) F - Failed (4) PF - Partial Failure (5) DP - Disconnect Pending (6) O - Old (7) C - Canceled (8) CP - Cancel Pending (9)
CLASS DPC	N (9)	√	DPC for 10-digit GTT for CLASS features.
CLASS SSN	N (3)	√	CLASS SSN for the Subscription Version.

SUBSCRIPTION VERSION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
LIDB DPC	N (9)	√	DPC for 10-digit GTT for LIDB features.
LIDB SSN	N (3)	√	LIDB SSN for the Subscription Version.
CNAM DPC	N (9)	√	DPC for 10-digit GTT for CNAM features.
CNAM SSN	N (3)	√	CNAM SSN for the Subscription Version.
ISVM DPC	N (9)	√	DPC for 10-digit GTT for ISVM features.
ISVM SSN	N (3)	√	ISVM SSN for the Subscription Version.
New Service Provider Due Date	T	√	The due date planned by the new Service Provider for Subscription Version Transfer.
Old Service Provider Due Date	T		The due date planned by the old Service Provider for Subscription Version Transfer.
Old Service Provider Authorization	B		A boolean indicator set by the old Service Provider to indicate authorization or denial of Transfer of Service for the Subscription Version to the new Service Provider.
New Service Provider Create Time Stamp	T		The date and time that the New Service Provider authorized Transfer of Service of the Subscription Version.
Old Service Provider Authorization Time Stamp	T		The date and time that the old Service Provider authorized Transfer of Service for the Subscription Version.
Activation Request Time Stamp	T		The date and time that the Subscription Version activation request was made by the new Service Provider.
Activation Broadcast Date	T		The date and time that broadcasting began to all local SMS systems for the activation of the Subscription Version.
Activation Broadcast Complete Time Stamp	T		The date and time that at least one Local SMS system successfully acknowledged the broadcast or the retries were exhausted for the activate.
Disconnect Request Time Stamp	T		The date and time that the Subscription Version disconnect request was made by the local Service

SUBSCRIPTION VERSION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
			Provider.
Disconnect Broadcast Time Stamp	T		The date and time that broadcasting began to all local SMS systems for the disconnect of the Subscription Version.
Disconnect Broadcast Complete Time Stamp	T		The date and time that at least one Local SMS system successfully acknowledged the broadcast or the retries were exhausted for the disconnect.
Effective Release Date	T		The date that the Subscription Version is to be deleted from all Local SMS systems.
Customer Disconnect Date	T		The date that the Customer's service was disconnected.
Pre-Cancellation Status	E		Status of the Subscription Version prior to cancellation. Valid enumerated values are: X - Conflict (0) P - Pending (2) DP - Disconnect Pending (6)
Old Service Provider Cancellation Time Stamp	T		The date and time that the Old Service Provider acknowledged that the Subscription Version be canceled.
New Service Provider Cancellation Time Stamp	T		The date and time that the New Service Provider acknowledged that the Subscription Version be canceled.
Cancellation Time Stamp	T		The date and time that the Subscription Version became canceled.
Old Time Stamp	T		The date and time that the Subscription Version became old.
Conflict Time Stamp	T		The date and time that the Subscription Version was last placed in conflict.
Conflict Resolution Time Stamp	T		The date and time that the resolution of a Subscription Version in conflict is acknowledged.
Create Time Stamp	T	√	The date and time that this Subscription Version record was created.

SUBSCRIPTION VERSION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
Modified Time Stamp	T	√	The date and time that this Subscription Version record was last modified. The default value is the Create Time Stamp.
Porting to Original	B	√	A boolean that indicates whether the Subscription Version created is to be ported back to the original Service Provider. The default value is False.
End User Location Value	C (12)		For future use.
End User Location Value Type	C (2)		For future use.
Modify Request Timestamp	T		The date and time that the Subscription Version Modify request was made.
Modify Broadcast Timestamp	T		The date and time that broadcasting began to all local SMS systems for the modification of the Subscription Version.
Modify Broadcast Complete Timestamp	T		The date and time that all local SMS systems successfully acknowledged or the retries were exhausted for the modification of the Subscription Version
Billing ID	C (4)		For future use. The default value is the Facilities Based Service Provider ID.
Status Change Cause Code	N (2)		Used to specify reason for conflict when old Service Provider Authorization is set to False, or to indicate NPAC SMS initiated cancellation. Valid values are: 0 - No value 54 - General Conflict 50 - LSR Not Received 51 - FOC Not Issued 52 - Due Date Mismatch 53 - Vacant Number Port 55 - NPAC SMS Automatic Conflict from Cancellation 1 - NPAC SMS Automatic Cancellation

Table 0-1 Subscription Version Data Model

RX3-3.1   Service Provider NPA-NXX Data Deletion

NPAC SMS shall allow Service Providers to delete their NPA- NXX data via the NPAC SMS to Local SMS interface or the SOA to NPAC SMS interface provided the changes do not cause any updates to the Subscription Versions, **Number Pooling ~~Block~~NPA-NXX-X or ~~Sub-Block~~Block Information**.

RR4-3   Removal of NPA-NXX

NPAC SMS shall allow the removal of an NPA-NXX by NPAC personnel only if no Subscription Versions, except for Old or Canceled Subscription Versions, **Number Pooling ~~Block~~NPA-NXX-X or ~~Sub-Block~~Block Information,** exists for the NPA-NXX.

RX3-3.2   Service Provider LRN Data Deletion

NPAC SMS shall allow Service Providers to delete their LRN data via the NPAC SMS to Local SMS interface or the SOA to NPAC SMS interface provided the changes do not cause any updates to the Subscription Versions **or Number Pooling ~~Sub-Block~~Block Information**.

RR4-4.2   Removal of LRN

NPAC SMS shall allow the removal of an LRN by NPAC personnel only if no Subscription Versions, except for Old or Canceled Subscription Versions **or Number Pooling ~~Sub-Block~~Block Information**, exists for the LRN.

Section 3 New Requirements

NUMBER POOLING ~~BLOCK~~NPA-NXX-X HOLDER INFORMATION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
~~Block~~NPA-NXX-X ID	N	√	A unique sequential number assigned upon creation of the ~~Block~~NPA-NXX-X.
~~Block~~NPA-NXX-X Holder SPID	C(4)	√	The Service Provider Id of the ~~block~~ NPA-NXX-X holder.
~~TN Range Start~~NPA-NXX-X	~~TN~~N(7)	√	NPA-NXX-X ~~Telephone number at the start~~ of the ~~1K Block~~1K Block.
~~TN Range End~~	~~N(4)~~	~~√~~	~~Last four (4) digits of telephone number that indicate the end of the TN range for the 1K Block.~~
Effective Date	T	√	The effective date of the ~~1K Block~~1K Block. The time for this field will be stored in GMT, but equivalent to 00:00:00 network data time CST.
Creation Date	T		The date and time (GMT) that this ~~Block~~NPA-NXX-X Holder record was created.
Last Modified Date	T		The date and time (GMT) of the Last Modification to this ~~Block~~NPA-NXX-X Holder record. The default value is the Creation Timestamp.

~~Block~~NPA-NXX-X Holder, General

~~B-~~N-10   Number Pool ~~Block~~NPA-NXX-X Holder Information – NPAC Personnel GUI

NPAC SMS shall allow NPAC Personnel to add, modify, ~~and~~ delete, and query ~~Block~~NPA-NXX-X Holder information via the NPAC Administrative Interface.

N-15 Number Pool NPA-NXX-X Holder Information –GUI Entry Field

NPAC SMS shall include the "Scheduled Time" as an entry field in the format of HH:MM, for the NPA-NXX-X Holder information via the NPAC Administrative Interface.

N-16 Number Pool NPA-NXX-X Holder Information –Default for Entry Field

NPAC SMS shall default the value in the "Scheduled Time" field in the NPAC Administrative Interface, to 00:01 (HH:MM).

N-17 Number Pool NPA-NXX-X Holder Information –Use of Entry Field

NPAC SMS shall use the value in the "Scheduled Time" field as the time that the Block Creation scheduled event will occur for NPAC initiated Block Holder data.

B-N-20 Number Pool BlockNPA-NXX-X Holder Information – Service Provider Request

NPAC SMS shall reject a request from a Service Provider SOA via the SOA to NPAC SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, to add, modify, or delete, or query BlockNPA-NXX-X Holder information as stored in the NPAC SMS.

B-N-30 Number Pool BlockNPA-NXX-X Holder Information – NPA-NXX Validation

NPAC SMS shall validate that the NPA-NXX specified in the addition of Number Pooling BlockNPA-NXX-X Holder information is a valid NPA-NXX defined in the NPAC SMS.

B-N-40 Number Pool BlockNPA-NXX-X Holder Information – NPA-NXX Effective Date

NPAC SMS shall validate that the effective date of the block is equal to, or greater than, the effective date of the NPA-NXX as defined in the NPAC SMS.

B-N-50 Number Pool BlockNPA-NXX-X Holder Information – Duplicate No Overlapping BlockNPA-NXX-X Validation

NPAC SMS shall validate that the NPA-NXX-X TN range specified in the addition of Number Pooling BlockNPA-NXX-X Holder Iinformation is not a duplicate does not overlap with a TN in a range for another entry in the Number Pooling BlockNPA-NXX-X Holder Information Table.

B-N-60 Number Pool Block Holder Information – Block in one NPA-NXX

NPAC SMS shall validate that the range specified for a block of numbers to be pooled is contained in one NPA-NXX-X, where the range begins with n000 and end with n999, where n is a value between 0 and 9.

**N-61	Number Pool NPA-NXX-X Holder Information – NPAC SMS download of network data to the Local SMS**

NPAC SMS shall be able to communicate creation, modification, or deletion of NPA-NXX-X data for a Service Provider to Local SMSs.

The contents of the network download are:

?6	Network data:

 27 NPAC Customer ID

 28 NPAC Customer Name

?7	NPA-NXX-X Download Data:

 29 NPA-NXX-X ID

 30 NPA-NXX-X Value

 31 Effective TimeStamp

 32 Download Reason

**N-62	Number Pool NPA-NXX-X Holder Information – NPAC SMS notification of NPA-NXX-X availability to the Service Providers**

NPAC SMS shall inform all Service Providers about the availability of the NPA-NXX-Xs for porting via the NPAC SMS to Local SMS interface or the Web bulletin board. The NPA-NXX-X data fields sent via the NPAC SMS to Local SMS interface are:

?8	NPAC Customer ID

?9	NPAC Customer Name

?10	NPA-NXX-X ID

?11	NPA-NXX-X Value

?12	Effective Date

?13	Download Reason

The NPA-NXX-X data fields sent to the WEB bulletin board are:

?14	NPAC Customer ID

?15	NPAC Customer Name

?16	NPA-NXX-X Value

?17	Effective Date

**N-63	Number Pool NPA-NXX-X Holder Information – Service Provider NPA-NXX-X Indicator Download of NPA-NXX-X Object**

NPAC SMS shall download Number Pooling NPA-NXX-X Information, for additions, modifications, and deletions, using the Number Pooling NPA-NXX-X Object, via the NPAC SMS to Local SMS Interface if the Service Provider's NPA-NXX-X indicator is **TRUE.**

N-64 Number Pool NPA-NXX-X Holder Information – Service Provider NPA-NXX-X Indicator Download of SVs

NPAC SMS shall suppress the download of Number Pooling NPA-NXX-X Information, for additions, modifications, and deletions, via the NPAC SMS to Local SMS Interface if the Service Provider's NPA-NXX-X indicator is **FALSE**.

N-65 Number Pool NPA-NXX-X Holder Information – Filters for NPA-NXX-Xs

NPAC SMS shall apply NPA-NXX Filters to NPA-NXX-X downloads to the Local SMS(s).

B-N-70 Number Pool BlockNPA-NXX-X Holder Information – Validation Error

NPAC SMS shall report an error to the user NPAC Personnel and reject the addition or modification of Number Pooling BlockNPA-NXX-X Holder information if validation errors occur as defined in Requirements _____, _____, and __.

CMA to update numbers once requirements are finalized.

NOTE: need to add procedures within M&Ps to define steps that should be taken by the NPAC personnel when validation errors are encountered.

BlockNPA-NXX-X Holder, Addition

B-N-80 Addition of Number Pooling BlockNPA-NXX-X Holder Information – Required Fields

NPAC SMS shall require NPAC personnel to specify the Service Provider Id NPA-NXX-X Holder SPID, the NPA-NXX-XTN Range, and the Effective Date, as defined in the Number Pooling BlockNPA-NXX-X Holder Information data model.

B-N-90 Addition of Number Pooling BlockNPA-NXX-X Holder Information – SPID Validation

NPAC SMS shall validate that the BlockNPA-NXX-X Holder SPID is a valid Service Provider in the NPAC SMS.

B-N-100 Addition of Number Pooling BlockNPA-NXX-X Holder Information – Check for Ppending-Llike No-Active SVs

NPAC SMS shall reject the request and issue an unique alarmable error message to the NPAC personnel at the time of BlockNPA-NXX-X Creation, if there are any TNs within the 1K Block1K Block, that contain an SV, for a given TN in the 1K Block, with a status of pending/conflict/cancel-pending/failed, and where a currently active SV does NOT exist, for the that same given TN.

~~B-~~N-110   Addition of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Check for Pending-Like Port-To-Original SVs

NPAC SMS shall reject the request and issue a~~n~~ unique alarmable error message to the NPAC personnel at the time of ~~Block~~NPA-NXX-X Creation, if there are any TNs within the ~~1K Block~~1K Block, that contain an SV, ~~for a given TN in the 1K Block,~~ with a status of pending/conflict/cancel-pending/failed, and where the SV is a Port-To-Original port, for the ~~that same~~ given TN.

~~B-120   Addition of Number Pooling Block Holder Information – Unique Error Message for Pending-Like No-Active or Port-To-Original SVs~~

~~NPAC SMS shall generate a unique error message with a unique error number, when an error is encountered during Block creation, for either pending-like no-active SVs or Port-To-Original SVs.~~

~~B-~~N-130   Addition of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Report for ~~P~~pending-~~L~~like No-Active SVs and Pending-Like Port-To-Original SVs

NPAC SMS shall provide an "error dialog with a transition mechanism" that displays the unique error message described in ~~B-~~N-90~~,~~ and ~~B-~~N-100, ~~and B-110,~~ and allows the ~~user~~ NPAC Personnel to perform an easy one-button mouse click generation of the Pending-Like No-Active Subscription Version report and Pending-Like Port-to-Original Subscription Version report to the NPAC personnel of all of the ~~error messages~~ TNs that are generated at the time of ~~Block~~NPA-NXX-X Creation, for pending-like no-active SVs and pending-like Port-To-Original SVs, for TNs within the ~~1K Block~~1K Block.

~~B-~~N-140   Addition of Number Pooling NPA-NXX-X Holder Information Effective Date – Tunable Parameter

NPAC SMS shall provide a ~~Block~~NPA-NXX-X Holder Effective Date Window tunable parameter which is defined as the minimum length of time between the current date and the effective date, when Creating a ~~Block~~NPA-NXX-X in the NPAC SMS.

NOTE: Need to add an entry in Appendix C, System Tunables, that this new tunable has a default value of 5, units is business days, and valid range is between 5 and 360.

~~B-~~N-150   Addition of Number Pooling NPA-NXX-X Holder Information Effective Date – Tunable Parameter Default

NPAC SMS shall default the ~~Block~~NPA-NXX-X Holder Effective Date Window tunable parameter to five (5) business days.

NOTE: The value of five (5) business days is selected because of the first port notifier, and this ~~e~~would affect SPs operationally if this value is set to less than five business days.

~~B-~~N-160   Addition of Number Pooling NPA-NXX-X Holder Information Effective Date – Validation

NPAC SMS shall verify that the Effective Date for the ~~Block~~NPA-NXX-X Holder data is equal to, or greater than, the current date plus the value of the ~~Block~~NPA-NXX-X Holder Effective Date Window tunable parameter.

~~B-~~N-170   Addition of Number Pooling NPA-NXX-X Holder Information Effective Date – Ops GUI Default

NPAC SMS shall default the time portion of the Effective Date Timestamp to 00:00 Central Time, and not allow the NPAC Personnel to modify the Time portion of the Effective Date, on the NPAC Administrative Interface GUI screen.

~~B-~~N-180   Addition of Number Pooling NPA-NXX-X Holder Information ~~Block~~NPA-NXX-X Holder SPID – Validation

NPAC SMS shall allow the value of the ~~Block~~NPA-NXX-X Holder SPID to be equal to the value of the SPID that owns the NPA-NXX.

~~Block~~NPA-NXX-X Holder, Modification

~~B-~~N-190   Modification of Number Pool ~~Block~~NPA-NXX-X Holder Information – Effective Date Modification from GUI

NPAC SMS shall allow NPAC personnel to modify the block holder effective date for a ~~1K Block~~1K Block as stored in the NPAC SMS via the NPAC Administrative Interface.

~~B-~~N-200   Modification of Number Pool ~~Block~~NPA-NXX-X Holder Information - Effective Date

NPAC SMS shall allow the NPAC personnel to modify the effective date for a ~~1K Block~~1K Block if the current date is less than the effective date for the ~~1K Block~~1K Block.

~~B-210   Modification of Effective Date – Tunable Parameter~~

~~NPAC SMS shall provide a Block Holder Effective Date Window tunable parameter which is defined as the minimum length of time between the Block Creation date and the effective date, when Modifying a Block's Effective Date in the NPAC SMS.~~

B-N-220   Modification of Number Pool NPA-NXX-X Holder Information Effective Date – Tunable Parameter Modification

NPAC SMS shall allow the NPAC SMS Administrator to modify the ~~Block~~NPA-NXX-X Holder Effective Date Window tunable parameter.

B-N-230   Modification of Number Pool NPA-NXX-X Holder Information Effective Date – Validation

NPAC SMS shall verify that the modification of the Effective Date for the ~~Block~~NPA-NXX-X Holder data is equal to, or greater than, ~~in business days,~~ the block creation date plus the value of the ~~Block~~NPA-NXX-X Holder Effective Date Window tunable parameter.

~~Block~~NPA-NXX-X Holder, Deletion

B-N-240   Deletion of Number Pool ~~Block~~NPA-NXX-X Holder Information – ~~Block~~NPA-NXX-X Data

NPAC SMS shall allow NPAC personnel to delete the block holder information for a ~~1K Block~~1K Block as stored in the NPAC SMS.

B-N-250   Deletion of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Check for Ppending-Llike Active POOL SVs

NPAC SMS shall reject the request and issue a~~n~~ unique alarmable error message to the NPAC personnel at the time of ~~Block~~NPA-NXX-X Deletion, if there are any TNs within the ~~1K Block~~1K Block, that contain an SV~~, for a given TN in the 1K Block,~~ with a status of pending/conflict/cancel-pending/failed~~,~~ where the Old SP is equal to the ~~Block~~NPA-NXX-X Holder SPID, and the current active SV is LNP Type of POOL.

B-N-260   Deletion of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Check for Port-to-Original SVs

NPAC SMS shall reject the request and issue a~~n~~ unique alarmable error message to the NPAC personnel at the time of ~~Block~~NPA-NXX-X Deletion, if there are any TNs within the ~~1K Block~~1K Block, that contain an SV, ~~for a given TN in the 1K Block,~~ where the SV is a Port-To-Original port.

B-270   Deletion of Number Pooling Block Holder Information – Unique Error Message for Pending-Like or Port-To-Original SVs

~~NPAC SMS shall generate a unique error message with a unique error number, when an error is encountered during Block deletion, for either pending-like SVs where the Old SP is equal to the Block Holder SPID, or where the SV is a Port-To-Original port.~~

B-N-280 **Deletion of Number Pooling BlockNPA-NXX-X Holder Information – Report for Ppending-Llike Active POOL SVs**

NPAC SMS shall provide an "error dialog with a transition mechanism" that displays the unique error message described in B-N-240, B-250 and B--260, and allows the user NPAC Personnel to perform an easy one-button mouse click generation of the Pending-Like Active POOL Subscription Version report and Port-To-Original Pending Subscription Version report, to the NPAC personnel of all of the error messages that are generated considered in error at the time of BlockNPA-NXX-X Deletion, for pending-like SVs, where the Old SP is equal to the BlockNPA-NXX-X Holder SPID and the current active SV contains LNP Type of POOL, or Port-To-Original SVs, for TNs within the 1K Block1K Block.

B-N-290 **Deletion of Number Pool BlockNPA-NXX-X Holder Information – Sub-BlockBlock and Subscription Version Data Dependency**

NPAC SMS shall delete the NPA-NXX-X Holder Information for a 1K Block, through a multi-step process that includes:
- Broadcasting the delete of SVs to non-EDR Local SMSs.
- Broadcasting the delete of Blocks to the EDR Local SMSs.
- Receiving a successful response from all EDR and non-EDR Local SMSs.
- Updating all SVs and Blocks on the NPAC SMS.
- Broadcasting the delete of NPA-NXX-X to the NPA-NXX-X enabled Local SMSs.
- Receiving a successful response from all NPA-NXX-X enabled Local SMSs.
- Deleting the NPA-NXX-X Holder information from the NPAC SMS.

N-295 **Deletion of Number Pool NPA-NXX-X Holder Information – NPA-NXX-X Dependency**

NPAC SMS shall only delete the NPA-NXX-X Holder Information after successfully completing all previous steps defined in N-290.

NPAC SMS shall delete the Block Holder Information for a 1K Block, by first broadcasting the request of the deletion, and after the successfully deleting all subordinate subscription versions with LNP Type of POOL, and subordinate Sub-Block to all Local SMSs.

BlockNPA-NXX-X Holder, NPA Splits

B-N-300 **NPA Splits and the Number Pool BlockNPA-NXX-X Holder Information – New NPA SplitModification**

NPAC SMS shall reject a request to add upon the start of permissive dialing for an NPA Split, if the old NPA-NXX-X and new NPA-NXX-X do NOT exist convert the old NPA-NXX to the new NPA-NXX in the Number Pooling BlockNPA-NXX-X Information.

B-N-310 **NPA Splits and the Number Pool ~~Block~~NPA-NXX-X Holder Information ~~Table~~ – NXX Removal from NPA Split prior to the end of PDP**

NPAC SMS shall upon the removal of an NPA-NXX from an NPA Split *prior to the end* ~~after the start~~ of permissive dialing, ~~shall~~ remove the new NPA-NXX-X from ~~reinstate the original NPA for the NXX in~~ the ~~Block~~NPA-NXX-X Holder Information.

B-N-320 **NPA Splits and the Number Pool ~~Block~~NPA-NXX-X Holder Information ~~Table~~ – Addition of an NPA-NXX involved in an NPA Split**

NPAC SMS shall add an entry for ~~convert the old NPA-NXX to~~ the new NPA-NXX-X for an NPA-NXX involved in an NPA Split upon entry of the Number Pooling ~~Block~~NPA-NXX-X Holder Information, if the old NPA-NXX is scheduled for permissive dialing or currently in permissive dialing.

N-325 **NPA Splits and the Number Pool NPA-NXX-X Holder Information – Broadcast of Addition of NPA-NXX-X Split Data**

NPAC SMS shall broadcast NPA-NXX-X data that is added for an NPA Split, as defined in requirements N-61, N-62, N-63, N-64, and N-65, upon entry of the Number Pooling NPA-NXX-X Holder Information.

~~Block~~NPA-NXX-X Holder, First Port Notification

B-N-330 **Number Pool ~~Block~~NPA-NXX-X Holder information notification of First Port**

NPAC SMS shall upon creation of the Number Pooling ~~Block~~NPA-NXX-X Holder Information, send a first port notification ~~of the planned first port~~ for the NPA-NXX if there have not been any previous ports for the NPA-NXX.

~~Block~~NPA-NXX-X Holder, Query

B-N-340 **Query of Number Pool ~~Block~~NPA-NXX-X Holder Information – NPAC Personnel**

NPAC SMS shall allow NPAC personnel to query the block holder information for all data as listed in the ~~Block~~NPA-NXX-X Holder Information Data Model, for a ~~1K Block~~1K Block as stored in the NPAC SMS.

N-350   Query of Number Pool Filtered NPA-NXX-X Holder Information – Service Provider Personnel

NPAC SMS shall allow a Service Provider SOA via the SOA to NPAC SMS Interface, Service Provider Local SMS via the NPAC to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, to query filtered NPA-NXX-Xs, for all data as listed in the NPA-NXX-X Holder Information Data Model, for a 1K Block as stored in the NPAC SMS.

N-360   Query of Number Pool Filtered NPA-NXX-X Holder Information – NPA-NXX Not Provided

NPAC SMS shall return to the requesting Service Provider all filtered NPA-NXX-Xs for a given Service Provider, as listed in the NPA-NXX-X Holder Information Data Model, for a 1K Block as stored in the NPAC SMS, when the NPA-NXX is NOT input upon a Filter NPA-NXX-X Query, by the Service Provider SOA via the SOA to NPAC SMS Interface, Service Provider Local SMS via the NPAC to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface.

N-370   Query of Number Pool Filtered NPA-NXX-X Holder Information – NPA-NXX Provided

NPAC SMS shall return to the requesting Service Provider up to ten filtered NPA-NXX-Xs for a given Service Provider, as listed in the NPA-NXX-X Holder Information Data Model, for a 1K Block as stored in the NPAC SMS, when the NPA-NXX is input upon a Filter NPA-NXX-X Query, by the Service Provider SOA via the SOA to NPAC SMS Interface, Service Provider Local SMS via the NPAC to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface.

NPA-NXX-X Holder, Resync

N-380   Resynchronization of Number Pool NPA-NXX-X Holder Information – NPA-NXX-X Indicator set to TRUE

NPAC SMS shall process a Service Provider request to download Network data over the NPAC SMS to Local SMS Interface, when a Service Provider establishes an association with the resynchronization flag set to TRUE, and shall **send** the NPA-NXX-X portion of the Network data when the Service Provider's NPA-NXX-X Indicator is set to TRUE.

N-390   Resynchronization of Number Pool NPA-NXX-X Holder Information – NPA-NXX-X Indicator set to FALSE

NPAC SMS shall process a Service Provider request to download Network data over the NPAC SMS to Local SMS Interface, when a Service Provider establishes an association with the resynchronization flag set to TRUE, and shall **suppress** the NPA-NXX-X portion of the Network data when the Service Provider's NPA-NXX-X Indicator is set to FALSE.

N-400 **Resynchronization of Number Pool NPA-NXX-X Holder Information – Filters on NPA-NXX-X resync**

NPAC SMS shall apply NPA-NXX Filters to NPA-NXX-X resynchronization to the Local SMS(s) via the NPAC SMS to Local SMS Interface.

NUMBER POOLING ~~SUB-BLOCK~~BLOCK HOLDER INFORMATION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
~~Sub-Block~~Block ID	N	√	A unique sequential number assigned upon creation of the ~~Sub-Block~~Block.
Block Holder SPID	C(4)	√	The Service Provider Id of the block holder.
NPA-NXX-X~~TN Range Start~~	~~TN~~N(7)	√	NPA-NXX-X ~~Telephone number at the start~~ of the ~~1K Block~~1K Block.
~~TN Range End~~	~~N(4)~~	~~√~~	~~Last four (4) digits of the telephone number at the end of the 1K Block.~~
LRN	TN	√	The LRN is an identifier for the switch on which the pooled NPA-NXX-X resides for the ~~1K Block~~1K Block.
CLASS DPC	N (9)	√	DPC for 10-digit GTT for CLASS features for the ~~1K Block~~1K Block.
CLASS SSN	N (3)	√	CLASS SSN for the ~~1K Block~~1K Block.
LIDB DPC	N (9)	√	DPC for 10-digit GTT for LIDB features for the ~~1K Block~~1K Block.
LIDB SSN	N (3)	√	LIDB SSN for the ~~1K Block~~1K Block.
CNAM DPC	N (9)	√	DPC for 10-digit GTT for CNAM features for the ~~1K Block~~1K Block.
CNAM SSN	N (3)	√	CNAM SSN for the ~~1K Block~~1K Block.
ISVM DPC	N (9)	√	DPC for 10-digit GTT for ISVM features for the ~~1K Block~~1K Block.
ISVM SSN	N (3)	√	ISVM SSN for the ~~1K Block~~1K Block.
Creation Date	T		The date and time (GMT) that this ~~Sub-Block~~Block Holder record was created.
Activation Start Timestamp	T		Date and time (GMT) of the Start of the Activation. This field defines the date and time of the start of the activation request (i.e., the date and time the NPAC begins the broadcasts to the LSMSs).
Activation Complete	T		Date and time (GMT) of the Completion of the

NUMBER POOLING ~~SUB-BLOCK~~ BLOCK HOLDER INFORMATION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
Timestamp			Activation. This field defines the date and time of the completion of the activation request (i.e., the date and time the NPAC receives at least one Local SMS acknowledgment of the broadcast, or the retries were exhausted for the activate).
Last Modified Timestamp	T		Date and time (GMT) of the Last Modification to the ~~Sub-Block~~Block.

The initial value is the Creation Timestamp. |
Disconnect Request Time Stamp	T		The date and time that the Block disconnect request was made by the NPAC personnel.
Disconnect Broadcast Time Stamp	T		The date and time that broadcasting began to all local SMS systems for the disconnect of the Block.
Disconnect Broadcast Complete Time Stamp	T		The date and time that at least one Local SMS system successfully acknowledged the broadcast or the retries were exhausted for the disconnect.
Old Time Stamp	T		The date and time that the Block became old.
Modify Request Timestamp	T		The date and time that the Block Modify request was made.
Modify Broadcast Timestamp	T		The date and time that broadcasting began to all local SMS systems for the modification of the Block.
Modify Broadcast Complete Timestamp	T		The date and time that all local SMS systems successfully acknowledged or the retries were exhausted for the modification of the Block.
SOA Origination	B	√	A boolean that indicates whether or not the ~~Block~~NPA-NXX-X Holder's SOA initiated the ~~Sub-Block~~Block over the SOA to NPAC SMS Interface.

This attribute will be set by the NPAC SMS at the time of ~~Sub-Block~~Block creation.

If originated by SOA, value is TRUE.

If originated by NPAC, value is FALSE. |
| Status | E | √ | Status of the ~~Sub-Block~~Block. |

NUMBER POOLING ~~SUB-BLOCK~~BLOCK HOLDER INFORMATION DATA MODEL			
Attribute Name	**Type (Size)**	**Required**	**Description**
			The initial value is S for Sending. Valid enumerated values are: A - Active (0) S - Sending (1) F - Failed (2) PF - Partial Failure (3) O - Old (4)

~~Sub-Block~~Block Holder, General

~~SB~~-B-10   **Number Pool ~~Sub-Block~~Block Holder Information – NPAC Personnel GUI**

NPAC SMS shall allow NPAC Personnel to add, ~~or~~ modify, or query ~~Sub-Block~~Block Holder information via the NPAC Administrative Interface.

~~SB~~-B-20   **Number Pool Block Holder Information – Service Provider EDR Indicator Download of ~~Sub-Block~~Block Object**

NPAC SMS shall download Number Pooling ~~Sub-Block~~Block Information, for additions, modifications, ~~and~~ deletions, re-sends, and resync using the Number Pooling ~~Sub-Block~~Block Object, via the NPAC SMS to Local SMS Interface if the EDR indicator is **TRUE**, at the time a request is processed by the NPAC SMS.

NOTE: The EDR Indicator will be used by the NPAC SMS when processing a request, but not during the retry functionality.

~~SB~~-B-30   **Number Pool Block Holder Information – Service Provider EDR Indicator Download of SVs**

NPAC SMS shall download Number Pooling ~~Sub-Block~~Block Information, for additions, modifications, and deletions, using individual subscription versions with LNP Type of POOL, for the TNs within the range of the 1K Block, via the NPAC SMS to Local SMS Interface if the EDR indicator is **FALSE**, at the time a request is processed by the NPAC SMS.

SB-B-40 **Number Pool Sub-BlockBlock Holder Information – Service Provider Validation**

NPAC SMS shall verify validate that the BlockNPA-NXX-X Holder SPID attribute of the Sub-BlockBlock object matches request for additions, is equal to the SPID in the accessControlmaking the request in the SOA to NPAC SMS Interface.

NOTE: SB-40 relates to the AccessControl portion of the CMIP Association.

SB-B-50 **Number Pool Sub-BlockBlock Holder Information – SPID Validation**

NPAC SMS shall verify validate that the Block Holder SPID of the accessControl matches the owner of the associationattribute of the Sub-Block request for additions, is equal to the SPID of the requestor making the request.

SB-B-60 **Number Pool Sub-BlockBlock Holder Information – BlockNPA-NXX-X Data Validation**

NPAC SMS shall validate the following three two attributes are contained in a single NPA-NXX-X entry in the Number Pooling NPA-NXX-X Holder Information in the NPAC SMSsuch that the:
  - BlockNPA-NXX-X Holder SPID in the Sub-BlockBlock is equal to the BlockNPA-NXX-X Holder SPID,
  - NPA-NXX-X TN Range Start in the Sub-BlockBlock is equal to the NPA-NXX-XTN Range Start,
  - TN Range End in the Sub-Block is equal to the TN Range End,
in one of the valid Number Pooling Blocks defined in the NPAC SMS, as referred to in the Block Holder Information Data Model.

SB-B-70 **Number Pool Sub-BlockBlock Holder Information – BlockNPA-NXX-X Effective Date**

NPAC SMS shall reject a request to create or modify a Sub-BlockBlock if the current date is prior to the effective date of the Number Pooling BlockNPA-NXX-X as defined in the NPAC SMS.

SB-B-80 **Number Pool Sub-BlockBlock Holder Information – LRN Validation**

NPAC SMS shall validate that the LRN specified in the addition or modification of Number Pooling Sub-BlockBlock Holder information is a valid LRN defined in the NPAC SMS for the bBlock hHolder.

SB-B-90 **Number Pool Sub-BlockBlock Holder Information – Duplicate No Overlapping Sub-BlockBlock Validation**

NPAC SMS shall validate that the NPA-NXX-X TN range specified in the addition of Number Pooling Sub-BlockBlock Holder Information does not already exist overlap with a TN in a range for another entry in the Number Pooling Sub-BlockBlock Holder Information.

SB-B-100   Number Pool Sub-BlockBlock Holder Information – SOA Originationr Values

NPAC SMS shall set the SOA Origination to TRUE for Sub-BlockBlocks sent over the SOA to NPAC SMS Interface, and to FALSE for Sub-BlockBlocks that were created by NPAC personnel.

SB-B-110   Number Pool Sub-BlockBlock Holder Information – Validation Error

NPAC SMS shall report an error to the user and reject the addition or modification of Number Pooling Block Holder information if validation errors occur as defined in, __, __, and __.

CMA to update numbers once requirements are finalized.

SB-B-120   Number Pooling Sub-BlockBlock Holder Information – Status Update Notification

NPAC SMS shall *send* all SOA notifications to the current SP (the block holder) for status updates on Sub-BlockBlocks, when the Sub-BlockBlock SOA Origination is TRUE.

SB-B-130   Number Pooling Sub-BlockBlock Holder Information – Status Update Notification Suppression

NPAC SMS shall *suppress* all SOA notifications to the current SP (the block holder) for status updates on Sub-BlockBlocks, when the Sub-BlockBlock SOA Origination is FALSE.

SB-B-140   Number Pooling Sub-BlockBlock Holder Information – Failed SP List Update for Sub-BlockBlock

NPAC SMS shall consider an EDR Local SMS to be discrepant and shall update the Sub-BlockBlock's with a Failed SP List, based on an EDR Local SMS failing to process the Sub-BlockBlock Object, for an addition, modification, deletion, re-send, resync, or mass update.

SB-B-150   Number Pooling Sub-BlockBlock Holder Information – Failed SP List Update for Subscription Versions

NPAC SMS shall consider a non-EDR Local SMS to be discrepant and shall update the Sub-BlockBlock's with a Failed SP List, based on a non-EDR Local SMS failing to process one or more Subscription Versions within the Sub-BlockBlock, for an addition, modification, deletion, re-send, resync, or mass update.

SB-B-160   Number Pooling Sub-BlockBlock Holder Information – Failed SP List BroadcastSent to Block Holder

NPAC SMS shall broadcast a send the Block's Failed SP List, to the current SP (the block holder) via the SOA to NPAC SMS Interface, along with the SOA notification for status update of the Sub-BlockBlock, when the Block SOA Origination is TRUE, and the broadcast to one or more Local SMSs fail.

B-165   Number Pooling Block Holder Information – Synchronization of Block Status and Subscription Version Status

NPAC SMS shall ensure that the *status* for Block broadcasts to EDR Local SMSs and Subscription Versions broadcasts to non-EDR Local SMSs, are synchronized, by performing the following:

33The *status* for the Block and Subscription Versions shall cross-reference one another and contain the results of the broadcast of the Block to the EDR Local SMSs, and the broadcast of the Subscription Version to the non-EDR Local SMSs. Therefore, if an *EDR* Local SMS fails the broadcast of the Block, the *status* of the Block and all Subscription Versions within the 1K Block, shall contain the same *status* ("Failed" if all Local SMSs were unsuccessful, "Partial Failure" if only some of the Local SMSs were unsuccessful, or "Active" if all of the Local SMSs were successful).

34The *status* for the Block and Subscription Versions shall cross-reference one another and contain the results of the broadcast of the Block to the EDR Local SMSs, and the broadcast of the Subscription Version to the non-EDR Local SMSs. Therefore, if a *non-EDR* Local SMS fails the broadcast of one or more Subscription Versions, the *status* of the Block and the individually failed Subscription Versions within the 1K Block, shall contain the same *status* ("Failed" if all Local SMSs were unsuccessful, "Partial Failure" if only some of the Local SMSs were unsuccessful, or "Active" if all of the Local SMSs were successful).

B-166   Number Pooling Block Holder Information – Synchronization of Block Failed SP List and Subscription Version Failed SP List

NPAC SMS shall ensure that the *Failed SP List* for Block broadcasts to EDR Local SMSs and Subscription Versions broadcasts to non-EDR Local SMSs, are synchronized, by performing the following:

35The *Failed SP List* for the Block and Subscription Versions shall cross-reference one another and contain the results of the broadcast of the Block to the EDR Local SMSs, and the broadcast of the Subscription Version to the non-EDR Local SMSs. Therefore, if an *EDR* Local SMS fails the broadcast of the Block, the *Failed SP List* of the Block and all Subscription Versions within the 1K Block, shall contain the same *Failed SP List* (all SPIDs if all Local SMSs were unsuccessful, some SPIDs if only some of the Local SMSs were unsuccessful, or no SPIDs if all of the Local SMSs were successful).

36The *Failed SP List* for the Block and Subscription Versions shall cross-reference one another and contain the results of the broadcast of the Block to the EDR Local SMSs, and the broadcast of the Subscription Version to the non-EDR Local SMSs. Therefore, if a *non-EDR* Local SMS fails the broadcast of one or more Subscription Versions, the *Failed SP List* of the Block and the individually failed Subscription Versions within the 1K Block, shall contain the same *Failed SP List* (all SPIDs if all Local SMSs were unsuccessful, some SPIDs if only some of the Local SMSs were unsuccessful, or no SPIDs if all of the Local SMSs were successful).

B-167   Number Pooling Block Holder Information – Synchronization of Block Failed SP List and Subscription Version Failed SP List for the last failed Subscription Version in the 1K Block

NPAC SMS shall remove a non-EDR Service Provider from the Block's *Failed SP List* when the Service Provider is no longer on the *Failed SP List* for ALL subscription versions in the 1K Block.

~~Sub-Block~~Block Holder, Addition

~~SB-~~B-170   Addition of Number Pooling ~~Sub-Block~~Block Holder Information

NPAC SMS shall allow NPAC personnel or Service Provider via the SOA to NPAC SMS Interface to request the creation of a Number Pooling ~~Sub-Block~~Block.

~~SB-~~B-180   Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Required Data

NPAC SMS shall require NPAC personnel or Service Provider via the SOA to NPAC SMS Interface to specify the Block Holder SPID~~Service Provider Id~~, the NPA-NXX-X~~TN range~~, and the initial routing information, as defined in the Number Pooling ~~Sub-Block~~Block Holder Information ~~data model~~.

~~SB-~~B-190   Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Check for pending-like SVs for NPAC Personnel

NPAC SMS shall reject the request and issue a~~n~~ unique alarmable error message to the **NPAC personnel** at the time of ~~Sub-Block~~Block Creation from the NPAC Administrative Interface or the Service Provider SOA via the SOA to NPAC SMS Interface, if there are any TNs within the ~~1K Block~~1K Block, that contain an SV, ~~for a given TN in the 1K Block,~~ with a status of pending/conflict/cancel-pending/failed, and where a currently active SV does NOT exist, for the ~~that same~~ given TN.

~~SB-200   Addition of Number Pooling Sub-Block Holder Information – Check for Port-To-Original SVs for NPAC Personnel~~

~~NPAC SMS shall issue an error message to the NPAC personnel at the time of Sub-Block Creation from the NPAC Administrative Interface, if there are any TNs within the 1K Block, that contain an SV, for a given TN in the 1K Block, with a status of pending/conflict/cancel-pending/failed, and where the SV is a Port-To-Original port, for that same given TN.~~

~~SB-~~B-210   Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Error Message to SOA ~~Check~~ for pending-like SVs ~~for SOA~~

NPAC SMS shall reject the request and issue an error message to the **SOA** at the time of ~~Sub-Block~~Block Creation from the SOA via the SOA to NPAC SMS Interface, if there are any TNs within the ~~1K Block~~1K Block, that contain an SV, for a given TN in the ~~1K Block~~1K Block, with a status of pending/conflict/cancel-pending/failed, and where a currently active SV does NOT exist, for the ~~that same~~ given TN.

SB-220 ~~Addition of Number Pooling Sub-Block Holder Information – Check for Port-To-Original SVs for SOA~~

~~NPAC SMS shall issue an error message to the SOA at the time of Sub-Block Creation from the SOA via the SOA to NPAC SMS Interface, if there are any TNs within the 1K Block, that contain an SV, for a given TN in the 1K Block, with a status of pending/conflict/cancel-pending/failed, and where the SV is a Port-To-Original port, for that same given TN.~~

SB-230 ~~Addition of Number Pooling Sub-Block Holder Information – Unique Error Message for Pending-Like No-Active or Port-To-Original SVs~~

~~NPAC SMS shall generate a unique error message with a unique error number, when an error is encountered during Sub-Block creation, for either pending-like no-active SVs or Port-To-Original SVs.~~

~~SB~~-B-240 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Report for pending-like SVs and Port-To-Original SVs

NPAC SMS shall provide an "error ~~dialig~~dialog with transition mechanism" that displays the unique error message described in ~~SB~~-B-190, ~~SB-200, SB-210, SB-220, and SB-230,~~ and allows the user to perform an easy one-button mouse click generation of the report to the NPAC personnel of all of the TNs ~~error messages~~ that are considered in error ~~generated~~ at the time of ~~Sub-Block~~Block Creation, for pending-like SVs ~~and Port-To-Original SVs~~, for TNs within the ~~1K Block~~1K Block.

~~SB~~-B-250 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Field-level Data Validation

NPAC SMS shall perform field-level data validations to ensure that the value formats for the following input data, is valid according to the formats specified in Table 3-x upon ~~Sub-Block~~Block creation for a Number Pool:

    ~~Block~~NPA-NXX-X Holder SPID
    NPA-NXX-X~~TN Range Start~~
    ~~TN Range End~~
    LRN
    Class DPC
    Class SSN
    LIDB DPC
    LIDB SSN
    CNAM DPC
    CNAM SSN
    ISVM DPC
    ISVM SSN

~~SB~~-B-260 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Broadcast of ~~Sub-Block~~Block Data

NPAC SMS shall broadcast ~~Pooled data~~ an addition~~s~~ of a ~~Sub-Block~~Block ~~data~~, to EDR Local SMSs, via the NPAC SMS to Local SMS Interface, upon successful creation of the Pooled ~~Sub-Block~~Block in the NPAC SMS with a status of sending.

~~SB~~-B-270 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Active Status Update

NPAC SMS shall update the status of the ~~Sub-Block~~Block upon successful completion of the broadcast to ALL EDR and non-EDR Local SMSs, from a sending status to an active status.

~~SB~~-B-280 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – ~~Partially Failed~~Partial failure Status Update

NPAC SMS shall update the status of the ~~Sub-Block~~Block upon completion of the broadcast to all EDR and non-EDR Local SMSs, and a successful response from at least one, but not all Local SMSs, from a sending status to a ~~partially failed~~partial failure status.

~~SB~~-B-290 Addition of Number Pooling ~~Sub-Block~~Block Holder Information – Failed Status Update

NPAC SMS shall update the status of the ~~Sub-Block~~Block upon completion of the broadcast to all EDR and non-EDR Local SMSs, and a successful response from NONE of the Local SMSs, from a sending status to a failed status.

~~SB-300   Addition of Number Pooling Sub-Block Holder Information – Subscription Version Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider a non-EDR Local SMS to be discrepant, and on the failed SP List, for the Sub-Block and the individual unsuccessful subscription versions, if one or more subscription version activation broadcasts were unsuccessful.~~

~~SB-310   Addition of Number Pooling Sub-Block Holder Information – Sub-Block Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for the Sub-Block, if the Sub-Block activation broadcast was unsuccessful.~~

~~Sub-Block~~Block Holder, Modification

B-315   Block's SOA Origination Indicator – NPAC Personnel GUI

NPAC SMS shall allow NPAC Personnel to modify the SOA Origination information on the NPAC Block record, via the NPAC Administrative Interface.

~~SB~~-B-320 Modification of Number Pooling ~~Sub-Block~~Block Holder Information

NPAC SMS shall allow NPAC personnel, ~~or~~ Service Provider via the SOA to NPAC SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, to modify the sub-block holder default routing information (LRN, DPC(s), and SSN(s)), for a ~~1K Block~~1K Block as stored in the NPAC SMS ~~for default routing restoration~~.

SB-B-330 Modification of Number Pooling Sub-BlockBlock Holder Information – SPID Validation

NPAC SMS shall allow a Service Provider via the SOA to NPAC SMS Interface or Service Provider via the NPAC SOA Low-tech Interface, to modify Sub-BlockBlock data for Sub-BlockBlocks where the BlockNPA-NXX-X Holder SPID matches the Service Provider making the request.

SB-B-340 Modification of Number Pooling Sub-BlockBlock Holder Information –Status Update

NPAC SMS shall update the status of the Sub-BlockBlock, upon the start of the broadcast of a Sub-BlockBlock modification to the Local SMSs, from an active status to a sending status.

SB-B-350 Modification of Number Pooling Sub-BlockBlock Holder Information – Broadcast of Sub-BlockBlock Data

NPAC SMS shall broadcast Pooled data a modifications of a Sub-BlockBlock to EDR Local SMSs, via the NPAC SMS to Local SMS Interface, upon successful modification of the Pooled Sub-BlockBlock in the NPAC SMS.

SB-B-360 Modification of Number Pooling Sub-BlockBlock Holder Information – Active Status Update

NPAC SMS shall update the status of the Sub-BlockBlock upon completion of the broadcast to ALL EDR and non-EDR Local SMSs, whether or not the broadcasts were successful, from a sending status to an active status.

SB-370   Modification of Number Pooling Sub-Block Holder Information – Sub-Block Holder Notification

NPAC SMS shall send a notification to the Block Holder to update the status of the Sub-Block on the SOA, from a sending active status to an active status, for a Sub-Block with a SOA Origination set to TRUE.

SB-380   Modification of Number Pooling Sub-Block Holder Information – Subscription Version Broadcast Failure to Local SMS

NPAC SMS shall consider a non-EDR Local SMS to be discrepant, and on the Failed SP List, for the Sub-Block and the individual unsuccessful subscription versions, if one or more subscription version modify active broadcasts were unsuccessful.

SB-390   Modification of Number Pooling Sub-Block Holder Information – Sub-Block Broadcast Failure to Local SMS

NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the Failed SP List, for the Sub-Block, if the Sub-Block modify active broadcast was unsuccessful.

~~Sub-Block~~Block Holder, Deletion

~~SB~~-B-400 Deletion of Number Pool ~~Sub-Block~~Block Holder Information – NPAC

NPAC SMS shall reject a request to delete a ~~Sub-Block~~Block by NPAC personnel.

~~SB~~-B-410 Deletion of Number Pool ~~Sub-Block~~Block Holder Information – SOA

NPAC SMS shall reject a request to delete a ~~Sub-Block~~Block by a Service Provider via the SOA to NPAC SMS interface, and will return an error message, SOA not authorized.

B-415 Deletion of Number Pool Block Holder Information – LTI

NPAC SMS shall reject a request to delete a Block by a Service Provider via the NPAC SOA Low-tech Interface, and will return an error message to the LTI user.

~~SB-420 Deletion of Number Pool Sub-Block Holder Information – Sub-Block Data~~

~~NPAC SMS shall process a delete Block Holder request, by deleting the subordinate Sub-Block by setting status to old.~~

~~SB~~-B-430 Deletion of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Sending Status Update to ~~Sub-Block~~Block

NPAC SMS shall update the status of the ~~Sub-Block~~Block at the start of the broadcast to the Local SMSs, from an active status to a sending status.

~~SB~~-B-440 Deletion of Number Pool ~~Block~~NPA-NXX-X Holder Information – Broadcast of ~~Sub-Block~~Block Data

NPAC SMS shall broadcast ~~Pooled dat~~a delete~~s~~ of a ~~Sub-Block~~Block ~~data~~, to EDR LSMSs, via the NPAC SMS to Local SMS Interface, upon updating the Pooled Block in the NPAC SMS to a sending status.

~~SB~~-B-450 Deletion of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Old Status Update to ~~Sub-Block~~Block

NPAC SMS shall update the status of the ~~Sub-Block~~Block upon completion of the broadcast to ~~all~~ ALL EDR and non-EDR Local SMSs, and a successful response from at least one Local SMS, from a sending status to an old status.

~~SB-~~B-460Deletion of Number Pooling ~~Block~~NPA-NXX-X Holder Information – Failed Status Update to ~~Sub-Block~~Block and Subscription Versions

NPAC SMS shall update the status of the ~~Sub-Block~~Block upon completion of the broadcast to the ALL EDR and non-EDR Local SMSs, and a successful response from NONE of the Local SMSs, from a sending status to an active status.

~~SB-470   Deletion of Number Pooling Block Holder Information – Sub-Block Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for the Sub-Block, if the Sub-Block disconnect broadcast was unsuccessful.~~

~~SB-480   Deletion of Number Pooling Block Holder Information – Block Holder Notification~~

~~NPAC SMS shall send a notification to the Block Holder to update the status of the Sub-Block on the SOA, from an active status to an old status, for a Sub-Block with a SOA Origination set to TRUE.~~

~~Sub-Block~~Block Holder, NPA Splits

~~SB-~~B-490NPA Splits and the Number Pooling ~~Sub-Block~~Block Holder Information – Modification

NPAC SMS shall upon the start of permissive dialing for an NPA Split, convert the old NPA-NXX to the new NPA-NXX in the Number Pooling ~~Sub-Block~~Block Information.

~~SB-~~B-500NPA Splits and the Number Pooling ~~Sub-Block~~Block Holder Information – NXX Removal from Split

NPAC SMS shall upon the removal of an NPA-NXX from an NPA Split, after the start of permissive dialing, ~~shall~~ reinstate the original NPA for the NXX in the ~~Sub-Block~~Block Holder Information.

~~SB-~~B-510NPA Splits and the Number Pool ~~Sub-Block~~Block Holder Information – Addition of an NPA-NXX involved in an NPA Split

NPAC SMS shall convert the old NPA-NXX to the new NPA-NXX for an NPA-NXX involved in an NPA Split upon entry into the Number Pooling ~~Sub-Block~~Block Holder Information, if the old NPA-NXX is currently in permissive dialing.

SB-B-520NPA Splits and the Number Pool Sub-BlockBlock Holder Information – Addition of a Sub-BlockBlock for an NPA-NXX involved in an NPA Split

NPAC SMS shall accept a Sub-BlockBlock create from NPAC personnel or a Service Provider via the SOA to NPAC SMS Interface, with either the old NPA-NXX or the new NPA-NXX for an NPA-NXX that is currently in permissive dialing.

SB-B-530NPA Splits and the Number Pool Sub-BlockBlock Holder Information – Broadcast of a Sub-BlockBlock Create for an NPA-NXX involved in an NPA Split

NPAC SMS shall broadcast a Sub-BlockBlock *create* to an EDR Local SMS, via the NPAC SMS to Local SMS Interface, by sending a Sub-BlockBlock using the new NPA-NXX for an NPA-NXX that is currently in permissive dialing.

SB-B-540NPA Splits and the Number Pool Sub-BlockBlock Holder Information – Modification of a Sub-BlockBlock for an NPA-NXX involved in an NPA Split

NPAC SMS shall accept a Sub-BlockBlock modify active from NPAC personnel or a Service Provider via the SOA to NPAC SMS Interface, with either the old NPA-NXX or the new NPA-NXX for an NPA-NXX that is currently in permissive dialing.

SB-B-550NPA Splits and the Number Pool Sub-BlockBlock Holder Information – Broadcast of a Sub-BlockBlock Modify Active for an NPA-NXX involved in an NPA Split

NPAC SMS shall broadcast a Sub-BlockBlock *modify active* to an EDR Local SMS, via the NPAC SMS to Local SMS Interface, by sending a Sub-BlockBlock using the new NPA-NXX for an NPA-NXX that is currently in permissive dialing.

B-551   NPA Splits and the Number Pool Block Holder Information – De-pooling of the Block during PDP

NPAC SMS shall broadcast a Block *delete* to an EDR Local SMS, via the NPAC SMS to Local SMS Interface, by sending a Block using the new NPA-NXX for an NPA-NXX that is currently in permissive dialing.

Block Holder, Query

B-555   Query of Number Pool Block Holder Information – NPAC Personnel

NPAC SMS shall allow NPAC Personnel to query the block holder information for all data as listed in the Block Holder Information Data Model, for a 1K Block as stored in the NPAC SMS.

B-556　　Query of Number Pool Filtered Block Holder Information – Service Provider Personnel

NPAC SMS shall allow a Service Provider SOA via the SOA to NPAC SMS Interface, Service Provider Local SMS via the NPAC SMS to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, to query filtered NPA-NXX-Xs, for all data as listed in the Block Holder Information Data Model, for a 1K Block as stored in the NPAC SMS.

B-557　　Query of Number Pool Filtered Block Holder Information – Query Block

NPAC SMS shall return Block data that match the query selection criteria, on query requests by NPAC personnel, SOA via the SOA to NPAC SMS Interface, Local SMS via the NPAC SMS to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface.

~~Sub-Block~~Block Holder, Filters

~~SB-~~B-560~~Number Pool Block Holder Information –~~ Filters for ~~Sub-Block~~Blocks

NPAC SMS shall apply NPA-NXX Filters to ~~Sub-Block~~Block downloads to the Local SMS(s).

~~Sub-Block~~Block Holder, Default Routing Restoration

~~SB-~~B-570~~Number Pool Block Holder Information~~ Use of Number Pool Default Routing Information – Existing ~~Sub-Block~~Block

The NPAC SMS shall use the default routing restoration information in the Number Pooling ~~Sub-Block~~Block Holder Information as the block holder default routing, when a ported pooled number is disconnected or port to original port is activated, and returns the TN(s) to the block, on or after the activation ~~date~~ start timestamp of the ~~sub-~~block.

~~Sub-Block~~Block Holder, Re-Send

B-575　　Re-Send of Number Pooling Block Holder Information – NPAC Personnel GUI

NPAC SMS shall allow NPAC Personnel to re-send Block Information via the NPAC Administrative Interface.

B-576   Re-Send of Number Pooling Block Holder Information – Use of EDR Indicator for Re-Send data

NPAC SMS shall use the value in the Service Provider's EDR Indicator to determine the type of data to re-send to the Service Provider, when a re-send request is initiated.

B-577   Re-Send of Number Pooling Block Holder Information – Re-Send to EDR Local SMS

NPAC SMS shall re-send Block Information to an EDR Local SMS, by re-sending the previously failed Block Object, via the NPAC SMS to Local SMS Interface.

B-578   Re-Send of Number Pooling Block Holder Information – Re-Send to non-EDR Local SMS

NPAC SMS shall re-send Block Information to a non-EDR Local SMS, by re-sending the previously failed Subscription Version(s), via the NPAC SMS to Local SMS Interface.

SB-B-580 Re-Send of Number Pooling Sub-BlockBlock Holder Information – Sending Status Update to Failed Sub-BlockBlock

NPAC SMS shall update the status of the failed Sub-BlockBlock, specified in the re-send request, at the start of the re-send to theall Local SMSs, from an active failed status to a sending status.

SB-B-590 Re-Send of Number Pooling Sub-BlockBlock Holder Information – Sending Status Update to Partially FailedPartial failure Sub-BlockBlock

NPAC SMS shall update the status of the partially failedpartial failure Sub-BlockBlock, specified in the re-send request, at the start of the re-send to the Local SMSs, specified in the re-send request, from a partially failedpartial failure status to a sending status.

SB-B-600 Re-Send of Number Pooling Sub-BlockBlock Holder Information – Sending Status Update to Active Sub-BlockBlock

NPAC SMS shall update the status of the active Sub-BlockBlock, with a Failed SP List, specified in the re-send request, at the start of the re-send to the Local SMSs, specified in the re-send request, from an active status to a sending status.

SB-B-610 Re-Send of Number Pooling Sub-BlockBlock Holder Information – Sending Status Update to Old Sub-BlockBlock

NPAC SMS shall update the status of the old Sub-BlockBlock, with a Failed SP List, specified in the re-send request, at the start of the re-send to the Local SMSs, specified in the re-send request, from an old status to a sending status.

~~SB~~ **B**-620 Re-Send of Number Pool ~~Block~~ NPA-NXX-X Holder Information – Broadcast of ~~Sub-Block~~ Block Data

NPAC SMS shall broadcast a ~~Pooled data~~ re-sends of a ~~Sub-Block~~ Block ~~data~~, to EDR LSMSs, via the NPAC SMS to Local SMS Interface, upon updating the Pooled Block in the NPAC SMS to a sending status.

~~SB~~ **B**-630 Re-Send of Number Pooling ~~Sub-Block~~ Block Holder Information – Update to Failed SP List

NPAC SMS shall update the Failed SP List of the ~~Sub-Block~~ Block by removing the previously failed Local SMS, upon a successful re-send to a previously failed Local SMS.

B-635 Re-Send of Number Pooling Block Holder Information –Status Update to Block after Successful Re-Send

NPAC SMS shall update the status of the Block, specified in the re-send request, at the completion of the re-send to the Local SMS, and a **successful** response from the Local SMS, from a sending status, based on the following:

37 If the status prior to the re-send was *failed*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

38 If the status prior to the re-send was *partial failure*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

39 If the status prior to the re-send was *failed*, and the Failed SP list is now empty, then the status is set to *active*.

40 If the status prior to the re-send was *partial failure*, and the Failed SP list is now empty, then the status is set to *active*.

41 If the status prior to the re-send was *active*, and the Failed SP list contains at least one SPID, then the status is set to *active*.

42 If the status prior to the re-send was *active*, and the Failed SP list is now empty, then the status is set to *active*.

B-636 Re-Send of Number Pooling Block Holder Information –Status Update to Block after Un-Successful Re-Send

NPAC SMS shall update the status of the Block, specified in the re-send request, at the completion of the re-send to the Local SMS, and an **un-successful or missing** response from the Local SMS, from a sending status, based on the following:

43 If the status prior to the re-send was *failed*, then the status is set to *failed*.

44 If the status prior to the re-send was *partial failure*, then the status is set to *partial failure*.

45 If the status prior to the re-send was *active*, then the status is set to *active*.

~~Sub-Block~~ Block Holder, Bulk Data Downloads

~~SB~~-B-640 Number Pool Block Holder Information Bulk Download File Creation – ~~Sub-Block~~Block

NPAC SMS shall allow NPAC personnel to request a bulk data download file for active ~~Sub-Block~~Block data via the NPAC Administrative Interface.

~~SB~~-B-650 Number Pool Block Holder Information Bulk Download File Creation – ~~Sub-Block~~Block

NPAC SMS shall include the Requesting Service Provider, TimeRange, and NPA-NXX-X Range as ~~an~~ entry fields for the ~~Sub-Block~~Block bulk data download file via the NPAC Administrative Interface.

B-655　　Number Pool Block Holder Information Bulk Download File Creation – Block

NPAC SMS shall use the first NPA-NXX-X Range entry field as an inclusive start range, and the second NPA-NXX-X Range entry field as an inclusive ending range, for Block data.

NOTE: If the NPA-NXX-X Range was 303-242-2 through 303-355-6, the inclusive range would contain all Blocks within the TN Range of 303-242-2000 through 303-355-6999.

~~SB~~-B-660 Number Pool Block Holder Information Bulk Data Download – ~~Sub-Block~~Block

NPAC SMS shall provide a bulk data download file that contains all active ~~Sub-Block~~Blocks in the NPAC SMS.

~~SB~~-B-670 Number Pool Block Holder Information Bulk Data Download – Filters for ~~Sub-Block~~Blocks

NPAC SMS shall apply NPA-NXX Filters to ~~Sub-Block~~Blocks in the creation of bulk data download files.

~~SB~~-B-680 Number Pool Block Holder Information Bulk Data Download – FTP Sub-Directory

NPAC SMS shall automatically put the bulk data download file into the FTP sub-directory of the Service Provider, based on SPID, that requested the creation of the bulk data download file.

~~Sub-Block~~Block Holder, Resync

SB-B-690 Number Pool Block Holder Information Resynchronization – Sub-BlockBlock

NPAC SMS shall process a Service Provider request to download Sub-BlockBlock data over the NPAC SMS to Local SMS Interface, when a Service Provider establishes an association with the resynchronization flag set to TRUE, and requests Sub-BlockBlock data based on criteria sent to the NPAC SMS upon association.

B-691 Number Pool Block Holder Information Resynchronization – Block Criteria

NPAC SMS shall accept criteria for Block data, of either TimeRange or Block Range entry fields, where the TimeRange includes the starting time and ending time, and the Block Range includes the starting Block and ending Block.

NOTE: If the Block Range was 303-242-2 through 303-355-6, the range would contain all Blocks within the TN Range of 303-242-2000 through 303-355-6999.

B-695 Number Pool Block Holder Information Resynchronization – Block Range Tunable Parameter

NPAC SMS shall provide a Block Range Maximum Resynchronization tunable parameter which is defined as the maximum number of Blocks that can be resynchronized by a Local SMS.

B-696 Number Pool Block Holder Information Resynchronization – Block Range Tunable Parameter Default

NPAC SMS shall default the Block Range Maximum Resynchronization tunable parameter to 100 records.

B-697 Number Pool Block Holder Information Resynchronization – Block Range Tunable Parameter Modification

NPAC SMS shall allow the NPAC Administrator to modify the Block Range Maximum Resynchronization tunable parameter.

B-698 Number Pool Block Holder Information Resynchronization – Rejection of Block Criteria

NPAC SMS shall reject a resynchronization request, if the criteria of either TimeRange or Block Range, exceeds the current values of the TimeRange or Block Range tunables.

SB-B-700 Number Pool Block Holder Information Resynchronization – Sub-BlockBlock resync and queuing of messages

NPAC SMS shall queue up all messages to the Local SMS, via the NPAC SMS to Local SMS Interface, when a Service Provider has requested Sub-Block data download upon establishesing an association with the NPAC SMS and where the resynchronization flag is set to TRUE.

~~SB~~-B-710 Number Pool Block Holder Information Resynchronization – ~~Sub-Block~~Block resync and sending of queued messages

NPAC SMS shall send, in order, queued up messages to the Local SMS, via the NPAC SMS to Local SMS Interface, when a Service Provider has sent a message to the NPAC SMS that resynchronization has been completed.

~~SB~~-B-720 Number Pool Block Holder Information Resynchronization – Filters on ~~Sub-Block~~Block resync

NPAC SMS shall apply NPA-NXX Filters to ~~Sub-Block~~Block resynchronization to the Local SMS(s), via the NPAC SMS to Local SMS Interface.

~~SB~~-B-730 Number Pool Block Holder Information Resynchronization – Update to Failed SP List

NPAC SMS shall update the Failed SP List of the ~~Sub-Block~~Block by removing the resyncing Local SMS, upon a successful resynchronization to a previously failed Local SMS.

B-740 Number Pool Block Holder Information Resynchronization – Status Update to Block after Successful Resynchronization

NPAC SMS shall update the status of the Block, specified in the resynchronization request, at the completion of the resynchronization to the Local SMS, based on the following:

46 If the status prior to the resynchronization was *failed*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

47 If the status prior to the resynchronization was *partial failure*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

48 If the status prior to the resynchronization was *failed*, and the Failed SP list is now empty, then the status is set to *active*.

49 If the status prior to the resynchronization was *partial failure*, and the Failed SP list is now empty, then the status is set to *active*.

50 If the status prior to the resynchronization was *active*, and the Failed SP list contains at least one SPID, then the status is set to *active*.

51 If the status prior to the resynchronization was *active*, and the Failed SP list is now empty, then the status is set to *active*.

Block Holder, Mass Update

B-750 Block Holder Information Mass Update – NPAC Personnel

NPAC SMS shall allow NPAC Personnel to initiate a mass update of Block data via the NPAC Administrative Interface.

B-760   Block Holder Information Mass Update – GUI Criteria

NPAC SMS shall provide Block Range Criteria on the NPAC Administrative Interface, by allowing the NPAC Personnel to input two 7-digit fields, which will be used to update all Blocks and Subscription Versions within the two 7-digit ranges.

B-770   Block Holder Information Mass Update – Block Range Values for Subscription Versions

NPAC SMS shall append 000 to the end of the first 7-digit field that is used for Block Range, and shall append 999 to the end of the second 7-digit field that is used for Block Range, in order to define the TN range that should be used for mass update.

B-780   Block Holder Information Mass Update – Download to EDR Local SMS

NPAC SMS shall download Number Pooling Block Information, for mass updates, using the Number Pooling Block Object, via the NPAC SMS to Local SMS Interface, when the Service Provider's EDR Indicator is **TRUE**, at the time of the mass update request.

B-790   Block Holder Information Mass Update – Download to non-EDR Local SMS

NPAC SMS shall download Number Pooling Block Information, for mass updates, using Subscription Version(s), via the NPAC SMS to Local SMS Interface, when the Service Provider's EDR Indicator is **FALSE**, at the time of the mass update request.

Section 5 New Requirements

Subscription Version, General

SV-1   Number Pooling Subscription Version Information – Reject Messages

NPAC SMS shall reject a message from NPAC personnel, a Service Provider SOA via the SOA to NPAC SMS Interface, a Service Provider LSMS via the NPAC SMS to Local SMS Interface, or a Service Provider via the NPAC SOA Low-tech Interface, to Create, Modify, Cancel, Set to Conflict, Activate, or Disconnect, a Subscription Version with an LNP Type of POOL.

SV-2   Number Pooling Subscription Version Information – Suppression of Notifications

NPAC SMS shall suppress all notifications to the old and new service provider SOA systems for Subscription Versions with LNP Type of POOL.

SV-3   Number Pooling Subscription Version Information – Filters for "Pooled Number" Subscription Versions

NPAC SMS shall apply NPA-NXX Filters to subscription version downloads to the Local SMSs, for Subscription Versions with LNP Type of POOL.

SV-4   Number Pooling Subscription Version Information – Broadcast of Subscription Data

NPAC SMS shall broadcast an addition, modification, or deletion of Subscription Versions, to non-EDR LSMSs, via the NPAC SMS to Local SMS Interface, upon successful update of the 1K Block in the NPAC SMS, for Subscription Versions with LNP Type of POOL.

SV-5   Number Pooling Subscription Version Information – Failed SP List Update for Block

NPAC SMS shall consider an EDR Local SMS to be discrepant and shall update the Failed SP List for all Subscription Versions with LNP Type of POOL in the 1K Block, based on an EDR Local SMS failing to process the Block Object, for an addition, modification, deletion, re-send, resync, or mass update.

Subscription Version, Addition for Number Pooling

**SV-10   Addition of Number Pooling Subscription Version Information –
Subscription Data**

NPAC SMS shall create individual subscription versions, with LNP Type of POOL, for each TN within the ~~1K Block~~1K Block, that does not already exist with a status of pending/conflict/cancel-pending/failure/old with a Failed SP List, immediately after successfully creating a Number Pooling ~~Sub-Block~~Block in the NPAC SMS.

**SV-20   Addition of Number Pooling Subscription Version Information –
Create "Pooled Number" Subscription Version**

NPAC SMS shall automatically populate the following data upon Subscription Version creation for a Pooled Number port:

Version ID - Automatically generated by NPAC SMS.
LRN - Value set to same field in ~~Sub-Block~~Block.
Old Service Provider ID - Value set to owner of NPA-NXX.
New Service Provider ID - Value set to ~~Block~~NPA-NXX-X Holder SPID field in ~~Sub-Block~~Block.
TN - Telephone Number associated with this Subscription Version.
LNP Type - Value set to "POOL".
Status - Value initially set to "Sending".
CLASS DPC - Value set to same field in ~~Sub-Block~~Block.
CLASS SSN - Value set to same field in ~~Sub-Block~~Block.
LIDB DPC - Value set to same field in ~~Sub-Block~~Block.
LIDB SSN - Value set to same field in ~~Sub-Block~~Block.
CNAM DPC - Value set to same field in ~~Sub-Block~~Block.
CNAM SSN - Value set to same field in ~~Sub-Block~~Block.
ISVM DPC - Value set to same field in ~~Sub-Block~~Block.
ISVM SSN - Value set to same field in ~~Sub-Block~~Block.
New Service Provider Due Date - Value set to current date.
Old Service Provider Due Date - Value set to current date.
Old Service Provider Authorization - Value set to "TRUE".
New Service Provider Create Time Stamp - Value set to current date/time.
Old Service Provider Authorization Time Stamp - Value set to current date/time.
Activation Request Time Stamp - Value set to current date/time.
Activation Broadcast Date - Value set to current date.
Activation Broadcast Complete Time Stamp - Value set to current date/time, once the broadcast is complete (either Local SMS has responded or retries have been exhausted).
Disconnect Request Time Stamp - Value set to all zeros.
Disconnect Broadcast Time Stamp - Value set to all zeros.
Disconnect Broadcast Time Stamp - Value set to all zeros.
Disconnect Broadcast Complete Time Stamp - Value set to all zeros.
Effective Release Date - Value set to all zeros.
Customer Disconnect Date - Value set to all zeros.
Pre-Cancellation Status - Value set to NULL~~all zeros~~.
Old Service Provider Cancellation Time Stamp - Value set to all zeros.
New Service Provider Cancellation Time Stamp - Value set to all zeros.
Cancellation Time Stamp - Value set to all zeros.
Old Time Stamp - Value set to all zeros.
Conflict Time Stamp - Value set to all zeros.

Conflict Resolution Time Stamp - Value set to all zeros.
Create Time Stamp - Value set to current date/time.
Modified Time Stamp - Value set to current date/time.
Porting to Original - Value set to "FALSE".
End User Location Value - Value set to "no value".
End User Location Value Type - Value set to "no value".
Modify Request Time Stamp - Value set to all zeros.
Modify Broadcast Time Stamp - Value set to all zeros.
Modify Broadcast Complete Time Stamp - Value set to all zeros.
Billing ID - Value set to "no value".
Status Change Cause Code - Value set to "no value".

SV-30 Addition of Number Pooling Subscription Version Information Create "Pooled Number" Subscription Version – Bypass of Existing Subscription Versions

NPAC SMS shall upon finding an existing subscription version with an active, partial failure, disconnect pending, old with a failed SP list, or sending status for any TNs within the ~~1K Block~~1K Block, will bypass and not alter that TN/subscription version, log an information message, and continue processing.

SV-40 Addition of Number Pooling Subscription Version Information Create "Pooled Number" Subscription Version - Validation Failure Notification

NPAC SMS shall send an appropriate error message to the originating NPAC personnel user if any of the validations listed in Requirements __, __, and ~~3.3, 4, 5.1, RR5-6.4.2, RR5-6.4.3, 6, 7, 8, 9, 10~~ fail upon Subscription Version creation for a Pooled Number port.

CMA Comment → need to update requirements list above, once numbers are finalized.

SV-50 Addition of Number Pooling Subscription Version Information Create "Pooled Number" Subscription Version - Validation Failure - No Create

NPAC SMS shall not create a new Subscription Version, if any of the validations fail listed in Requirements __, __, and ~~3.3, 4, 5.1, 5.2, RR5-6.4.2, RR5-6.4.3, 6, 7, 8, 9, 10~~ upon Subscription Version creation for a Pooled Number port.

CMA Comment → need to update requirements list above, once numbers are finalized.

SV-60 Addition of Number Pooling Subscription Version Information Create "Pooled Number" Subscription Version - Validation Success - Create New

NPAC SMS shall create a new Subscription Version ~~if all validations pass at the time of Subscription Version creation for a Subscription Version~~ with LNP Type of POOL, for each non-contaminated TN in the 1K Block, after successfully creating the corresponding Block.

SV-70 **Addition of Number Pooling Subscription Version Information** Create "Pooled Number" Subscription Version - Set to Sending

NPAC SMS shall set a Subscription Version of LNP Type POOL in the 1K Block, to sending upon successful subscription creation.

SV-80 Addition of Number Pooling Subscription Version Information – Broadcast of Subscription Data

NPAC SMS shall broadcast Pooled data additions of Subscription data, to non-EDR LSMSs, via the NPAC SMS to Local SMS Interface, upon successful creation of the 1K Block in the NPAC SMS.

SV-90 Addition of Number Pooling Subscription Version Information – Active Status Update

NPAC SMS shall update the status of each Subscription Version with LNP Type of POOL for each TN in the 1K Block 1K Block, upon successful completion of the broadcast to ALL EDR and non-EDR Local SMSs, from a sending status to an active status.

SV-100 Addition of Number Pooling Subscription Version Information – Partially Failed Partial failure Status Update

NPAC SMS shall update the status of each Subscription Version with LNP Type of POOL for each TN in the 1K Block 1K Block of an EDR failure, or specific Subscription Version(s) of a non-EDR failure, upon completion of the broadcast to all ALL EDR and non-EDR Local SMSs, and a successful response from at least one, but not all Local SMSs, from a sending status to a partially failed partial failure status.

SV-110 Addition of Number Pooling Subscription Version Information – Failed Status Update

NPAC SMS shall update the status of each Subscription Version with LNP Type of POOL for each TN in the 1K Block 1K Block of an EDR failure, or specific Subscription Version(s) of a non-EDR failure, upon completion of the broadcast to all ALL EDR and non-EDR Local SMSs, and a successful response from NONE of the Local SMSs, from a sending status to a failed status.

SV-121 Addition of Number Pooling Subscription Version Information – Failed SP List

NPAC SMS shall update the Failed SP List with the discrepant Local SMS of the individual subscription version(s) with LNP Type of POOL, upon completion of the activation broadcast to All EDR and non-EDR Local SMSs, and an unsuccessful response from at least one Local SMS.

SV-120   Addition of Number Pooling Subscription Version Information – Sub-Block Broadcast Failure to Local SMS

NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for ALL subscription versions with LNP Type of POOL in the 1K Block, if the Sub-Block activation broadcast was unsuccessful.

SV-130 Create "Pooled Number" Subscription Versions – No Notifications

NPAC SMS shall suppress all notifications to the old and new service provider SOA systems for Subscription Versions with LNP Type POOL.

SV-140 Filters for "Pooled Number" Subscription Versions

NPAC SMS shall apply NPA-NXX Filters to subscription version downloads to the Local SMS(s).

SV-150   "Pooled Number" Subscription Version – Reject Messages

NPAC SMS shall only allow a message from NPAC personnel, a Service Provider SOA via the SOA to NPAC SMS Interface, or a Service Provider LSMS via the NPAC SMS to Local SMS Interface, to Query a Subscription Version with an LNP Type of POOL.

Subscription Version, Create in a Number Pooling Environment

SV-160   Create Intra-Service Provider Port – NPAC Personnel After BlockNPA-NXX-X Creation

NPAC SMS shall allow NPAC personnel to create intra-service provider ports for a TN within the 1K Block1K Block, after the Creation of the BlockNPA-NXX-X and up to the BlockNPA-NXX-X's Effective Date, only where the new/old Service Provider is the BlockNPA-NXX-X Holder SPID, and a previously active SV does NOT exist in the NPAC SMS.

SV-170   Create Intra-Service Provider Port – SOA After BlockNPA-NXX-X Creation

NPAC SMS shall reject an intra-service provider Subscription Version Create message for a TN within the 1K Block1K Block, from a Service Provider SOA via the SOA to NPAC SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, after the Creation of the BlockNPA-NXX-X and prior to the activation of the Sub-Block, where the new Service Provider is the BlockNPA-NXX-X Holder SPID, and a previously active SV does NOT exist in the NPAC SMS.

SV-180   Create Inter-Service Provider Port-to-Original Port – NPAC and SOA After ~~Block~~NPA-NXX-X Creation

NPAC SMS shall reject an inter-service provider Port-to-Original Subscription Version Create message for a TN within the ~~1K Block~~1K Block, from NPAC Personnel, a Service Provider SOA via the SOA to NPAC SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, after the Creation of the ~~Block~~NPA-NXX-X ~~and prior to the activation of the Sub-Block~~, and a previously active SV does NOT exist in the NPAC SMS.

SV-190   Create Inter-Service Provider Port-to-Original Subscription Version – After ~~Sub-Block~~Block Activation

NPAC SMS shall validate that the New Service Provider is the ~~Block~~NPA-NXX-X Holder, in an inter-service provider port-to-original port for a TN within the ~~1K Block~~1K Block, after the activation of the ~~Sub-Block~~Block.

Subscription Version, Activate in a Number Pooling Environment

SV-200   Activate Intra-Service Provider Port – After ~~Block~~NPA-NXX-X Creation

NPAC SMS shall allow NPAC personnel, a Service Provider SOA via the SOA to NPAC SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface, to activate intra-service provider ports for a TN within the ~~1K Block~~1K Block, up to the Activation of the ~~Sub-Block~~Block.

SV-210   Activate Port-to-Original Subscription Version – Broadcast of Subscription Data Creation

The NPAC SMS shall broadcast a new Subscription Version Create to a non-EDR Local SMS, upon activating a port-to-original Subscription Version, where the TN is within the range of a ~~1K Block~~1K Block, after the activation of the Block.

SV-220   Activate Port-to-Original Subscription Version – Broadcast of Subscription Data Deletion

The NPAC SMS shall broadcast a Subscription Version Delete to an EDR Local SMS, upon activating a port-to-original Subscription Version, where the TN is within the range of a ~~1K Block~~1K Block, after the activation of the Block.

Subscription Version, Modification for Number Pooling

SV-230   Modification of Number Pooling Subscription Version Information – Subscription Data

NPAC SMS shall automatically apply the updates to the attributes of the individual subscription versions with LNP Type of POOL, for each TN within the ~~Sub-Block~~Block ~~immediately~~ after successfully modifying a Number Pooling ~~Sub-Block~~Block in the NPAC SMS.

SV-240   Modification of Number Pooling Subscription Version Information – Status Update to Sending

NPAC SMS shall update the status of the individual subscription versions with LNP Type of POOL, for each TN within the ~~Sub-Block~~Block, upon the start of the broadcast of a ~~Sub-Block~~Block Modification to the Local SMSs, from an active status to a sending status, after successfully modifying a Number Pooling Block in the NPAC SMS.

~~SV-250   Modification of Number Pooling Subscription Version Information – Broadcast of Subscription Data~~

~~NPAC SMS shall broadcast Pooled data modifications of Subscription Versions with LNP Type of POOL in the 1K Block, to non-EDR LSMSs, via the NPAC SMS to Local SMS Interface, upon successful modification of the Pooled Subscription Versions in the NPAC SMS.~~

~~SV-260   Modification of Number Pooling Subscription Version Information – Sub-Block Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for ALL subscription versions in the 1K Block, if the Sub-Block modify active broadcast was unsuccessful.~~

SV-270   Modification of Number Pooling Subscription Version Information – Status Update to Active

NPAC SMS shall update the status of each Subscription Version with LNP Type of POOL in the ~~1K Block~~1K Block, upon completion of the broadcast to ~~the~~ All EDR and non-EDR Local SMSs, from a sending status to an active status.

SV-280   Modification of Number Pooling Subscription Version Information – Failed SP List

NPAC SMS shall update the Failed SP List with the discrepant Local SMS of the individual subscription version(s) with LNP Type of POOL, upon completion of the modification broadcast to ~~the~~ All EDR and non-EDR Local SMSs, and an unsuccessful response from at least one Local SMS.

SV-290   Modification of Number Pooling Subscription Version Information – Sub-Block Broadcast Failure to Local SMS

NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for ALL subscription versions with LNP Type of POOL in the 1K Block, if the Sub-Block modification broadcast was unsuccessful.

Subscription Version, Deletion for Number Pooling

SV-300   Deletion of Number Pool Subscription Version Information – NPAC

NPAC SMS shall reject a request to delete a Subscription Version with LNP Type of POOL by NPAC personnel, or Service Provider via the NPAC SOA Low-tech Interface.

SV-310   Deletion of Number Pool Subscription Version Information – SOA

NPAC SMS shall reject a request to delete a Subscription Version with LNP Type of POOL by a Service Provider via the SOA to NPAC SMS interface, and will return an error message, SOA not authorized.

SV-320   Deletion of Number Pool Subscription Version Information – Subscription Version Data

NPAC SMS shall process a delete Block Holder request, by deleting all subordinate subscription versions with LNP Type of POOL in the 1K Block, by setting status to old.

SV-330   Deletion of Number Pooling Subscription Version Information – Sending Status Update to Sub-Block and Subscription Versions

NPAC SMS shall update the status of the Subscription Versions with LNP Type of POOL in the 1K Block1K Block, at the start of the broadcast to the all EDR and non-EDR Local SMSs, from an active status to a sending status.

SV-340   Deletion of Number Pool Subscription Version Information – Broadcast of Subscription Data

NPAC SMS shall broadcast Pooled data deletes of Subscription data, to non-EDR LSMSs, via the NPAC SMS to Local SMS Interface.

SV-350   Deletion of Number Pooling Subscription Version Information – Old Status Update to Sub-Block and Subscription Versions

NPAC SMS shall update the status of the Subscription Versions with LNP Type of POOL in the 1K Block1K Block, upon successful completion of the broadcast to all EDR and non-EDR Local SMSs, and a successful response from at least one Local SMS, from a sending status to an old status.

SV-360   Deletion of Number Pooling Subscription Version Information – Failed Status Update

NPAC SMS shall update the status of the Subscription Versions with LNP Type of POOL in the ~~1K Block~~1K Block, upon ~~successful~~ completion of the broadcast to all EDR and non-EDR Local SMSs, and a successful response from NONE of the Local SMSs, from a sending status to an active status.

SV-365   Deletion of Number Pooling Subscription Version Information – Failed SP List

NPAC SMS shall update the Failed SP List with the discrepant Local SMS of the individual subscription version(s) with LNP Type of POOL, upon completion of the deletion broadcast to All EDR and non-EDR Local SMSs, and an unsuccessful response from at least one Local SMS.

~~SV-370   Deletion of Number Pooling Subscription Version Information – Subscription Version Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider a non-EDR Local SMS to be discrepant, and on the failed SP List, for the Sub-Block, if one or more subscription version disconnect broadcasts were unsuccessful.~~

~~SV-380   Deletion of Number Pooling Block Holder Information – Sub-Block Broadcast Failure to Local SMS~~

~~NPAC SMS shall consider an EDR Local SMS to be discrepant, and on the failed SP List, for ALL subscription versions with LNP Type of POOL in the 1K Block, if the Sub-Block disconnect broadcast was unsuccessful.~~

Subscription Version, Disconnect and Port-To-Original in a Number Pooling Environment

SV-390 – Disconnect Subscription Version or Port-To-Original – Pooled Number ~~Sub-Block~~Block ~~Holder~~ Default Routing Restoration

The NPAC SMS shall reinstate the ~~Sub-Block~~Block ~~holder~~ default routing, block holder Service Provider Id and the LNP Type to POOL for a subscription version upon a disconnect for a ported TN, or an activate for a Port-To-Original TN, belonging to the ~~1K Block~~1K Block.

SV-400 - Disconnect Subscription Version - Customer Disconnect Date Notification for Pooled Number

NPAC SMS shall notify the new Service Provider (the block owner) of the Subscription Version Customer Disconnect Date and Effective Release Date prior to reinstating the default routing.

SV-410 – Disconnect Subscription Version – Broadcast of Subscription Data Creation

The NPAC SMS shall broadcast a new Subscription Version Create to a non-EDR Local SMS, upon a disconnect of a non-pooled ~~deleting an inter-ported or intra-ported~~ Subscription Version, where the TN is within the ~~1K Block~~1K Block.

SV-420 – Disconnect Subscription Version – Broadcast of Subscription Data Deletion

The NPAC SMS shall broadcast a Subscription Version Delete to an EDR Local SMS, upon a disconnect of a non-pooled ~~deleting an inter-ported or intra-ported~~ Subscription Version, where the TN is within the ~~range of a Pooled~~ 1K Block.

SV-425 – Disconnect Subscription Version – Updates to the Failed SP List

NPAC SMS shall update the Failed SP List with the discrepant Local SMS of the individual subscription version(s) with LNP Type of POOL, that were *active prior to the disconnect broadcast and used to indicate the status of the previously active Subscription Version(s) that is being disconnected*, upon completion of the disconnect broadcast to All EDR and non-EDR Local SMSs, and an unsuccessful response from at least one Local SMS.

SV-426 – Disconnect Subscription Version – Updates to the Failed SP List

NPAC SMS shall update the Failed SP List with the discrepant Local SMS of the individual subscription version(s) with LNP Type of POOL, that were *pending prior to the disconnect broadcast and used to indicate the status of the Port-To-Original Subscription Version(s)*, upon completion of the disconnect broadcast to All EDR and non-EDR Local SMSs, and an unsuccessful response from at least one Local SMS.

Subscription Version, NPA Splits

SV-430   NPA Splits and the Number Pool ~~Sub-Block~~Block Holder Information – Broadcast of Subscription Versions for an NPA-NXX involved in an NPA Split

NPAC SMS shall convert the old NPA-NXX to the new NPA-NXX when broadcasting Subscription Versions with LNP Type of POOL, ~~broadcast a Sub-Block create~~ to a non-EDR Local SMS, via the NPAC SMS to Local SMS Interface, ~~by sending Subscription Versions in a TN Range using the new NPA-NXX~~ for an NPA-NXX that is currently in permissive dialing.

Subscription Version, Query

SV-440   Query Subscription Version – LNP Type of POOL

NPAC SMS shall return Subscription Versions with LNP Type of POOL that match the query selection criteria, on query requests by NPAC personnel, SOA via the SOA to NPAC SMS Interface, Local SMS via the NPAC SMS to Local SMS Interface, or Service Provider via the NPAC SOA Low-tech Interface.

SV-450   Query Sub-Block

NPAC SMS shall return Sub-Block data that match the query selection criteria, on query requests by NPAC personnel, SOA via the SOA to NPAC SMS Interface, or Local SMS via the NPAC SMS to Local SMS Interface.

Subscription Version, Re-Send for Number Pooling

SV-451   Re-Send of Number Pooling Subscription Version Information – NPAC Personnel GUI

NPAC SMS shall prevent NPAC Personnel from re-sending a Subscription Version with LNP Type of POOL, via the NPAC Administrative Interface.

SV-452   Re-Send of Number Pooling Subscription Version Information – Subscription Versions sent to non-EDR Local SMS

NPAC SMS shall re-send Subscription Versions to a non-EDR Local SMS via the NPAC SMS to Local SMS Interface, when a re-send request to a non-EDR Local SMS is initiated by the NPAC SMS.

SV-460   Re-Send of Number Pooling Subscription Version Information – Sending Status Update to Failed Subscription Versions for Block Activation

NPAC SMS shall update the status of the failed Subscription Versions with LNP Type of POOL in the 1K Block1K Block, at the start of the re-send to the Local SMSs, from an active failed status to a sending status.

SV-470   Re-Send of Number Pooling Subscription Version Information – Sending Status Update to Partially FailedPartial failure Subscription Versions for Block Activation

NPAC SMS shall update the status of the partially failedpartial failure Subscription Versions with LNP Type of POOL in the 1K Block1K Block, at the start of the re-send to the Local SMSs, from a partially failedpartial failure status to a sending status.

**SV-480   Re-Send of Number Pooling Subscription Version Information –
Sending Status Update to Active Subscription Version for Block Modification
or Deletion**

NPAC SMS shall update the status of the active Subscription Version with LNP Type of POOL in the ~~1K Block~~1K Block, with a Failed SP List, at the start of the re-send to the Local SMSs, from an active status to a sending status.

**SV-490   Re-Send of Number Pooling Subscription Version Information –
Sending Status Update to Old Subscription Version for Block Deletion**

NPAC SMS shall update the status of the old Subscription Version with LNP Type of POOL in the ~~1K Block~~1K Block, with a Failed SP List, at the start of the re-send to the Local SMSs, from an old status to a sending status.

**~~SV-500   Re-Send of Number Pool Subscription Version Information –
Broadcast of Subscription Data~~**

~~NPAC SMS shall broadcast Pooled data re-sends of Subscription data, to non-EDR LSMSs, via the NPAC SMS to Local SMS Interface.~~

**SV-510   Re-Send of Number Pooling Subscription Version Information –
Update to Failed SP List for Block Activation**

NPAC SMS shall update the Failed SP List of the Subscription Version(s) with LNP Type of POOL in the ~~1K Block~~1K Block, by removing the previously failed Local SMS, upon a successful re-send to a previously failed Local SMS.

**SV-515   Re-Send of Number Pooling Subscription Version Information –
Status Update to Subscription Version after Successful Re-Send**

NPAC SMS shall update the status of the Subscription Version(s), specified in the re-send request, at the completion of the re-send to the Local SMS, and a **successful** response from the Local SMS, from a sending status, based on the following:

52. If the status prior to the re-send was *failed*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

53. If the status prior to the re-send was *partial failure*, and the Failed SP list contains at least one SPID, then the status is set to *partial failure*.

54. If the status prior to the re-send was *failed*, and the Failed SP list is now empty, then the status is set to *active*.

55. If the status prior to the re-send was *partial failure*, and the Failed SP list is now empty, then the status is set to *active*.

56. If the status prior to the re-send was *active*, and the Failed SP list contains at least one SPID, then the status is set to *active*.

57. If the status prior to the re-send was *active*, and the Failed SP list is now empty, then the status is set to *active*.

SV-516   Re-Send of Number Pooling Subscription Version Information – Status Update to Subscription Version after Un-Successful Re-Send

NPAC SMS shall update the status of the Subscription Version(s), specified in the re-send request, at the completion of the re-send to the Local SMS, and an **un-successful or missing response** from the Local SMS, from a sending status, based on the following:

58 If the status prior to the re-send was *failed*, then the status is set to *failed*.

59 If the status prior to the re-send was *partial failure*, then the status is set to *partial failure*.

60 If the status prior to the re-send was *active*, then the status is set to *active*.

SV-517   Re-Send of Number Pooling Subscription Version Information – Status Update to Block after all Subscription Versions are Successfully re-sent

NPAC SMS shall update the status of the corresponding Block after all Subscription Versions with LNP Type of POOL in the 1K Block, have been re-sent to the Local SMSs, as follows:

61 If the status of all Subscription Versions with LNP Type of POOL in the 1K Block is *failed*, then the status of the Block is set to *failed*.

62 If the status of all Subscription Versions with LNP Type of POOL in the 1K Block is *partial failure*, then the status of the Block is set to *partial failure*.

63 If the status of all Subscription Versions with LNP Type of POOL in the 1K Block is *active*, then the status of the Block is set to *active*.

64 If the status of all Subscription Versions with LNP Type of POOL in the 1K Block is *old*, then the status of the Block is set to *old*.

Subscription Version, Re-Send in a Number Pooling Environment

SV-518   Re-Send of Subscription Version Information – Disconnect or Port-To-Original of a TN within a Pooled 1K Block

NPAC SMS shall examine a Service Provider's EDR Indicator, at the time of re-send, to determine the message to re-send, for a disconnect or a Port-To-Original Subscription Version of a non-pooled TN, where the TN is contained within a Pooled 1K Block.

Subscription Version, Bulk Data Downloads

SV-521   Bulk Download File Creation – Pooled Subscription Versions Filtered for EDR Local SMS

NPAC SMS shall filter out Subscription Versions with LNP Type of POOL for Bulk Data Download files of Subscription Version data, when the requesting Service Provider has an EDR Indicator set to TRUE.

Subscription Version, Resynchronization

SV-522   Addition of Number Pooling Subscription Version Information Resynchronization – Filters on Subscription Versions Resync

NPAC SMS shall filter out Subscription Versions with LNP Type of POOL for Resynchronization of Subscription Version data, when the resyncing Service Provider has an EDR Indicator set to TRUE.

Subscription Version, Mass Updates

SV-520   Mass Update of "Pooled Number" Subscription Versions - Notification Suppression

NPAC SMS shall suppress SOA notifications to the current SP (the block holder) for mass updates on Subscription Versions with an LNP Type of POOL.

SV-530   Addition of Number Pooling Subscription Version Information Mass Update of "Pooled Number" Subscription Versions - Rejection

NPAC SMS shall reject a request to perform a mass update on Subscription Versions with an LNP Type of POOL.

Section 6 New Requirements

RR6-15 – Sub-Block Resynchronization Filter Usage

NPAC SMS shall, for a Sub-Block Resynchronization request, over the NPAC SMS to Local SMS Interface, only send Sub-Blocks that are not filtered on the Local SMS. possibly a dupe of resync in sub-block section.

Section 8 New Requirements

A-1 Audit Processing for Blocks and Pooled Number Subscription Versions

NPAC SMS shall process an audit request of a **Block** by performing the following steps:

65 Validate that the Block exists in the NPAC SMS.

66 Perform an internal integrity check within the NPAC SMS to ensure that the Block and all Subscription Versions with LNP Type of POOL within the 1K Block, contain the same data.

67 If any of the Subscription Versions are out of sync in the NPAC SMS, update those Subscription Versions in the NPAC SMS, issue a unique alarmable error message, then continue processing.

68 Once the integrity check is complete, broadcast the Block and TN Range to the EDR Local SMS, per requirement A-40, and the TN Range to the non-EDR Local SMS.

A-2 Audit Processing for Pooled Number Subscription Versions

NPAC SMS shall process an audit request of a **Subscription Version(s)** by performing the following steps:

69 Validate that the Block associated with the TN contained in the Subscription Version(s), exists in the NPAC SMS.

70 Perform an internal integrity check within the NPAC SMS to ensure that the Block and all Subscription Versions with LNP Type of POOL within the TN Range, contain the same data.

71 If any of the Subscription Versions are out of sync in the NPAC SMS, update those Subscription Versions in the NPAC SMS, issue a unique alarmable error message, then continue processing.

72 Once the integrity check is complete, broadcast the Block and TN Range to the EDR Local SMS, per requirement A-40, and the TN Range to the non-EDR Local SMS.

A-10 **Audit Discrepancy and Results Notifications for Pooled Number Subscription Versions**

NPAC SMS shall for audits of Subscription Versions with LNP Type of POOL, send notifications of discrepancies found and audit results to the requesting SOA.

A-20 **Audit Status Attribute Value Change Notification Suppress for Pooled Number Subscription Versions**

NPAC SMS shall for audits of Subscription Versions with LNP Type of POOL, suppress status change notifications for discrepancy corrections to the block holder SOA (current SP).

A-30 **Audit Attribute Value Change Notification Suppress for Pooled Number Subscription Versions**

NPAC SMS shall for audits of Subscription Versions with LNP Type of Pool suppress, attribute change notifications for discrepancy corrections to the block holder SOA (current SP).

A-40 **Flow of Audit Execution – Pooled Numbers to EDR Local SMS**

NPAC SMS shall send a query for a ~~Sub-Block~~Block and a query for Subscription Version(s), resulting from the TN or TN Range audit request, to an EDR Local SMS that is accepting ~~Sub-Block~~Block and Subscription Version data download for the given NPA-NXX-X via the NPAC SMS to Local SMS Interface.

A-50 **Ignore missing SVs for Pooled Ports at EDR Local SMS**

NPAC SMS shall not consider ~~ignore~~ a query response of No Data, as a discrepancy ~~a missing Subscription Version~~ from an EDR Local SMS, for a Subscription Version with LNP Type of POOL.

A-60 **Delete erroneous SVs for Pooled Ports at EDR Local SMS**

NPAC SMS shall consider ~~process~~ a query response which contains ~~of~~ an ~~erroneous~~ Subscription Version, as a discrepancy from an EDR Local SMS, for a Subscription Version with LNP Type of POOL, by sending a Subscription Version Delete message for the ~~erroneous~~ Subscription Version.

~~**A-70**~~ ~~**Suppress Notifications for Discrepancy Corrections for Pooled Ports at EDR Local SMS**~~

~~NPAC SMS shall suppress status notifications to the Block Holder SOA for audit discrepancy corrections of Subscription Versions with LNP Type of POOL.~~

A-80 **Compare NPAC SMS ~~Sub-Block~~Block to Service Provider ~~Sub-Block~~Block at EDR Local SMS**

NPAC SMS shall conduct a comparison of the ~~Sub-Block~~Block belonging to the Service Provider to its owns ~~Sub-Block~~Block.

A-90 **Add ~~Sub-Block~~Block to Service Provider at EDR Local SMS**

NPAC SMS shall, following the comparison of its own ~~Sub-Block~~Block to the Service Provider's ~~Sub-Block~~Block, add a ~~Sub-Block~~Block found to be absent in the Service Provider's Local SMS~~Sub-Block database~~, by sending a ~~Sub-Block~~Block Activate message.

A-100 **Modify ~~Sub-Block~~Block to Service Provider at EDR Local SMS**

NPAC SMS shall, following the comparison of its own ~~Sub-Block~~Block to the Service Provider's ~~Sub-Block~~Block, modify a ~~Sub-Block~~Block found to be in error in the Service Provider's Local SMS~~Sub-Block database~~, by sending a ~~Sub-Block~~Block Modify message.

A-110   Delete Discrepant ~~Sub-Block~~**Block to Service Provider at EDR Local SMS**

NPAC SMS shall, following the comparison of its own ~~Sub-Block~~Block to the Service Provider's ~~Sub-Block~~Block, delete a ~~Sub-Block~~Block found to be erroneously present in the Service Provider's Local SMS~~Sub-Block database~~, by sending a ~~Sub-Block~~Block Delete message.

Section 9 New Requirements

R-10   Pooled Number Report – Query functions

NPAC SMS shall support pooled number reports that allow queries on any combination of SPID, ~~Block~~NPA-NXX-X ID, and TN Range, where the NPAC SMS returns all TNs that meet the selection criteria.

R-20   Pooled Number Report – Filters

NPAC SMS shall support pooled number reports that allow filters on any combination of LNP Type (POOL, LSPP, LISP), where the NPAC SMS returns all TNs that meet the selection criteria.

R-30   Pooled Number Report – Numbers in a ~~Block~~NPA-NXX-X

NPAC SMS shall support a report that list all numbers in a 1K block (NPA-NXX-X) for a block holder, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-40   Pooled Number Report – Numbers in a ~~Block~~NPA-NXX-X Data Elements

NPAC SMS shall support a report that lists all numbers in a ~~1K Block~~1K Block for a block holder, that contains the following data elements:
        TN (primary sort)
        SV id
        LNP Type
        activation date
        LRN

R-50   Pooled Number Report – ~~Block~~NPA-NXX-X Holder History

NPAC SMS shall support a report that contains ~~Block~~NPA-NXX-X Holder History for a ~~1K Block~~1K Block, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-60   Pooled Number Report – ~~Block~~NPA-NXX-X Holder History Data Elements

NPAC SMS shall support a report that contains ~~Block~~NPA-NXX-X Holder History for a ~~1K Block~~1K Block, that contains the following data elements:
        Code Holder
        ~~Block~~NPA-NXX-X Holder
        TN Range
        Effective Date

R-70   Pooled Number Report – Pending-Like No-Active Subscription Versions

NPAC SMS shall support a report, used for ~~Block~~NPA-NXX-X and ~~Sub-Block~~Block Creation, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Subscription Version with a status of pending/conflict/cancel-pending/failure, and where no active Subscription Version exists, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-80   Pooled Number Report – Pending-Like No-Active Subscription Versions Data Elements

NPAC SMS shall support a report, used for ~~Block~~NPA-NXX-X and ~~Sub-Block~~Block Creation, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Subscription Version with a status of pending/conflict/cancel-pending/failure, and where no active Subscription Version exists, that contains the following data elements:

    TN
    Old Service Provider
    New Service Provider
    Due Date
    Status

R-90   Pooled Number Report – Port-to-Original Pending Subscription Versions

NPAC SMS shall support a report, used for ~~Block~~NPA-NXX-X and ~~Sub-Block~~Block Creation, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Port-to-Original Subscription Version with a status of pending/conflict/cancel-pending/failure, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-100   Pooled Number Report – Port-to-Original Pending Subscription Versions Data Elements

NPAC SMS shall support a report, used for ~~Block~~NPA-NXX-X and ~~Sub-Block~~Block Creation, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Port-to-Original Subscription Version with a status of pending/conflict/cancel-pending/failure, that contains the following data elements:

    TN
    Old Service Provider
    New Service Provider
    Due Date
    Status

R-110   Pooled Number Report – Contaminated Active-Like Subscription Versions

NPAC SMS shall support a report, used for de-pooling, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Subscription Version with a status of active/partial failure/disconnect pending/sending/old with a Failed SP List, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-120   Pooled Number Report – Contaminated Active-Like Subscription Versions Data Elements

NPAC SMS shall support a report, used for de-pooling, that contains a list of all numbers in a ~~1K Block~~1K Block, that currently have a Subscription Version with a status of active/partial failure/disconnect pending/sending/old with a Failed SP List, that contains the following data elements:

      TN
      Old Service Provider
      New Service Provider
      Due Date
      Status

R-130   Pooled Number Report – Pending-Like Active POOL Subscription Versions

NPAC SMS shall support a report, used for de-pooling, that contains a list of all numbers in a 1K Block, that currently have a Subscription Version with a status of pending/conflict/cancel-pending/failure, and where the currently active Subscription Version is LNP Type of POOL, for NPAC personnel using the NPAC Administrative Interface and Service Provider personnel using the NPAC SOA Low-tech Interface.

R-140   Pooled Number Report – Pending-Like Active POOL Subscription Versions Data Elements

NPAC SMS shall support a report, used for de-pooling, that contains a list of all numbers in a 1K Block, that currently have a Subscription Version with a status of pending/conflict/cancel-pending/failure, and where the currently active Subscription Version is LNP Type of POOL, that contains the following data elements:

      TN
      Old Service Provider
      New Service Provider
      Due Date
      Status