**Origination Date:** 01/21/16

**Originator:** iconectiv

### Change Order Number: NANC 479

**Description:** FRS Doc-Only Clarifications

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

|  |  |  |
| --- | --- | --- |
| DOC | FRS | IIS |
| Y | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CMIP | GDMO | ASN.1 | **NPAC** | SOA | LSMS |
| N | N | N | N | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | **NPAC** | SOA | LSMS |
| N | N | N | N | N |

**Business Need**

Documentation updates.

**Description of Change:**

Changes detailed below.

Requirements:

NPAC Overview Section (1.2)

Update section 1.2.20.2, Operations with Pseudo-LRN Support Tunables, to add information for SV/NPB operations that can be performed via the SOA and via the LTI.

NPAC SMS Data Models (changed text in yellow highlights)

| **NPAC CUSTOMER DATA MODEL** |
| --- |
| **Attribute Name** | **Type (Size)**  | **Required** | **Description** |
| [snip] |  |  |  |
| NPAC Customer Name | C (40) | √ | A unique NPAC Customer Name (including slash indicator, 38 +2). |
| NPAC Customer SPID Migration E-Mail List | C (255) | ~~√~~ | Service Provider SPID Migration contact e-mail address(es). |

| **Portable NPA-NXX DATA MODEL** |
| --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** |
| [snip] |  |  |  |
| NPA-NXX Modified Date | T |  | Date and time (GMT) of the Last Modification to the NPA-NXX. The initial value is null. Value is set when either the NPA-NXX is modified or the first port occurs. |
| [snip] |  |  |  |

Table ‑ Portable NPA-NXX Data Model

| **LSMS Filtered npa-nxx data model** |
| --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** |
| [snip] |  |  |  |
| NPAC Customer ID | C (4) | √ | An alphanumeric code that uniquely identifies the LSMS NPAC Customer who is filtering subscription version, NPA-NXX, NPA-NXX-X, and Number Pool Block broadcasts. |
| [snip] |  |  |  |

Table ‑ LSMS Filtered NPA-NXX Data Model

NPAC Customer Data

None.

NPAC Network Data

RR3-662 Modification of NPA-NXX – Effective Date versus Current Date

NPAC SMS shall allow the NPAC personnel to modify the effective date for an NPA-NXX to a current date or future date, if the current date is less than the existing effective date for the NPA-NXX. (previously NANC 355, Req 5)

RR3-665 Service Provider SOA NPA-NXX Modification Flag Indicator

NPAC SMS shall provide a Service Provider SOA NPA-NXX Modification Flag Indicator tunable parameter which defines whether a SOA supports NPA-NXX Modification. (previously NANC 355, Req 8)

NOTE: The tunable parameter is used for ~~both~~ modification transactions sent over the interface ~~as well as~~, modification~~s~~ messages in the BDD File, and query responses. If the tunable parameter is set to TRUE, then the download reason in the BDD File or in a CMIP query response will be set to modified. Otherwise, it will be set to new. In the XML interface, modification must be supported by the Service Provider (interface and BDD File).

RR3-668 Service Provider LSMS NPA-NXX Modification Flag Indicator

NPAC SMS shall provide a Service Provider LSMS NPA-NXX Modification Flag Indicator tunable parameter which defines whether an LSMS supports NPA-NXX Modification. (previously NANC 355, Req 11)

NOTE: The tunable parameter is used for ~~both~~ modification transactions sent over the interface ~~as well as~~, modifications message~~s~~ in the BDD File, and query responses. If the tunable parameter is set to TRUE, then the download reason in the BDD File or in a CMIP query response will be set to modified. Otherwise, it will be set to new. In the XML interface, modification must be supported by the Service Provider (interface and BDD File).

RR3-310 Network Data Information Bulk Data Download – Filters for Network Data

NPAC SMS shall apply NPA-NXX Filters to Network Data in the creation of bulk data download files. (previously NANC 354 Req 11)

NOTE: Per RR3-5, NPA-NXX Filters do not apply to LRN data. As such, LRN data in BDD files are not filtered based on NPA-NXX Filters.

RR3-335 Validation of LATA ID for Number Pool Block Modifies – Verify LRN in Request

NPAC shall reject Number Pool Block Modify Requests if the NPA-NXX of the NPA-NXX-X and the NPA-NXX of the LRN in the Modify Requests have different LATA IDs. (previously NANC 319 Req 9)

New – 5 Validation of LATA ID for Number Pool Block Modifies – Verify Existing LRN

NPAC shall reject Number Pool Block Modify Requests that do not contain an LRN value if the NPA-NXX of the NPA-NXX-X and the NPA-NXX of the existing LRN have different LATA IDs.

NPAC Pooling Data

RR3-210 Block Holder Information Mass Update – Update Fields

NPAC SMS shall allow Service Provider Personnel, via the NPAC Low-Tech Interface, and NPAC Personnel, via the NPAC Administrative Interface, when performing a mass update, to update the block holder default routing information LRN, DPC(s), SSN(s), SV Type, Alternative SPID, Last Alternative SPID, Alt-End User Location Value, Alt-End User Location Type, Alt-Billing ID, Voice URI, MMS URI, and SMS URI for a 1K Block as stored in the NPAC SMS. (Previously B-762, reference NANC 399)

Note: Service Provider Personnel are limited to LRN, DPCs, and SSNs.

RR3-97 Modification of Number Pool NPA-NXX-X Holder Information - Effective Date Update to Scheduled Block Create

NPAC SMS shall, upon modifying the effective date for an NPA-NXX-X, and where the Block Creation was a scheduled event within the NPAC SMS, also modify the corresponding date for that Block Create scheduled event. (Previously N-210)

Note: The scheduled event date will only be modified in cases where it is prior to the effective date’s new value.

RR3-750 Number Pool Block Holder Information – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a block activate request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442, Req 5)

RR3-756 Number Pool Block Holder Information – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a block modify request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442, Req 73)

NPAC Subscription Data

Reinstate req RR5-44 and RR5-45, as result of test case review of NANC 394 test cases, where the waiting period is reduced to zero, and the Effective Date edit should be included.

RR5-44 Create Subscription Version – Due Date Validation for NPA-NXX effective date

NPAC SMS shall verify that the due date is greater than, or equal to, the NPA-NXX effective date upon Subscription Version creation for an Inter-Service Provider Port.

RR5-45 Create “Intra-Service Provider Port” Subscription Version – Due Date Validation for NPA-NXX effective date

NPAC SMS shall verify that the due date is greater than, or equal to, the NPA-NXX effective date upon Subscription Version creation for an Intra-Service Provider port.

RR5-123 Validation of LATA ID for Subscription Version Modifies – Verify LRN in Request

NPAC shall reject Subscription Version Modify Requests if the NPA-NXX of the TN and the NPA-NXX of the LRN in the Modify Requests have different LATA IDs.(previously NANC 319 Req 7)

New – 6 Validation of LATA ID for Subscription Version Modifies – Verify Existing LRN

NPAC shall reject Subscription Version Modify Requests that do not contain an LRN value if the NPA-NXX of the NPA-NXX-X and the NPA-NXX of the existing LRN have different LATA IDs.

New requirement in FRS section 4.1.2.1, Service Provider Data Creation

New – 1 Service Provider Name Slash Indicator for New Service Provider – Indicator Value

NPAC SMS shall require the Service Provider Name to contain a valid slash indicator value at the end of the name when creating a new Service Provider:
/1 – (to indicate wireline)
/2 – (to indicate wireless)
/3 – (to indicate non-carrier)
/4 – (to indicate class 1 and 2 interconnected VoIP with Number Assignment)

New – 2 Service Provider Name Slash Indicator for New Service Provider – Synchronization of Indicator Value and SP Type

NPAC SMS shall ensure that the ***Slash Indicator*** and the ***SP Type*** for a Service Provider record are synchronized when creating a new Service Provider.

New requirement in FRS section 4.1.2.2, Service Provider Data Modification

New – 3 Service Provider Name Slash Indicator for Existing Service Provider – Indicator Value

NPAC SMS shall require the Service Provider Name to contain a valid slash indicator value at the end of the name when modifying an existing Service Provider:
/1 – (to indicate wireline)
/2 – (to indicate wireless)
/3 – (to indicate non-carrier)
/4 – (to indicate class 1 and 2 interconnected VoIP with Number Assignment)

New – 4 Service Provider Name Slash Indicator for Existing Service Provider – Synchronization of Indicator Value and SP Type

NPAC SMS shall ensure that the ***Slash Indicator*** and the ***SP Type*** for a Service Provider record are synchronized when modifying an existing Service Provider.

RR5-203 Create “Intra-Service Provider Port” Subscription Version – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a Subscription Version Create request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442 Req 25)

NOTE: The Intra-Service Provider Port for a pseudo-LRN request cannot involve movement of the telephone number to another switch.

RR5-207 Modify “Intra-Service Provider Port” Subscription Version – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a pending or active Subscription Version Modify request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442 Req 75)

RR5-209 Activate “Intra-Service Provider Port” Subscription Version – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a Subscription Version Activate request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442, Req 77)

RR5-212 Disconnect “Intra-Service Provider Port” Subscription Version – Service Provider Tunable Value of TRUE for Pseudo-LRN Request

NPAC SMS shall accept a Subscription Version Disconnect request for a pseudo-LRN record from a Service Provider SOA only when the NPAC Customer SOA Pseudo-LRN Indicator is set to TRUE, or from a Service Provider LTI SOA only when the NPAC Customer LTI Pseudo LRN Indicator is set to TRUE. (previously NANC 442, Req 78)

NPAC Audit Data

None.

NPAC Other Data (Mass Updates, SPID Migration, Maintenance, Filters, etc.)

RR3-254 Validation of LATA ID Errors on Mass Updates

NPAC SMS shall log an entry to be used for the mass update exception report when any of the LATA ID data edits are violated when mass updating a Subscription Version or Number Pool Block, and continue processing the mass update request. (previously NANC 319 Req 10)

Note: The LATA ID data edits are applied both to data in the request and to existing data that is not being modified but is present on the Subscription Version and Number Pool Block objects being mass updated. In an example where 2000 SVs are being mass updated and 100 encountered LATA ID edit errors, the NPAC will perform the mass update by updating the 1900 SVs that are valid, and logging the remaining 100 SVs to be picked up on the mass update exception report.

RR3-275 SPID Migration Update – Rejection for ‘pending-like’ Number Pool Blocks or Subscription Versions

Deleted.~~NPAC SMS shall reject a SPID Migration Update Request Process by NPAC Personnel, via the NPAC SMS Administrative Interface, if any “pending-like” Number Pool Blocks or Subscription Versions exist where the~~ *~~migrating away from SPID~~* ~~value is present. (previously NANC 323 Req 21)~~

~~Note: For Number Pool Blocks this will be the Block Holder SPID, and for Subscription Versions this will be either the New SPID or Old SPID.~~

~~Note: This applies to pending-like records where the OSP (migrating-from SPID) is either the code holder or the block holder, and also pending-like records where the previous port is an active record (migrating-from SPID is the NSP) that is being migrated (e.g., SV1 is active and will be migrated, SV2 is pending-like and will be cancelled). This also includes pending-like PTO Subscription Versions, even though PTOs do not contain an LRN.~~

Section 7.4.2, NANC 444 reqs. 15 reqs. Renumber requirements (resolve duplicate number issue).

RR7-1 becomes RR7-5

RR7-2 becomes RR7-6

RR7-3 becomes RR7-7

RR7-4 becomes RR7-8

RR7-5 becomes RR7-9

RR7-6 becomes RR7-10

RR7-7 becomes RR7-11

RR7-8 becomes RR7-12

RR7-9 becomes RR7-13

RR7-10 becomes RR7-14

RR7-11 becomes RR7-15

RR7-12 becomes RR7-16

RR7-13 becomes RR7-17

RR7-14 becomes RR7-18

RR7-15 becomes RR7-19

R7‑25.1 Passwords - Non-Reusable

NPAC SMS shall ensure that a password can not be reused by the same individual for ~~specifiable period of time~~a tunable number of changes.

R7‑25.2 Password Reuse Default

NPAC SMS shall default the ~~time period~~number of changes in which a password can not be reused to ~~six months~~five.

NPAC Tunable Data

System Tunables.

|  |  |  |  |
| --- | --- | --- | --- |
| **~~Post Expiration Logins~~** | ~~2~~ | ~~logins~~ | ~~0-10~~ |
| ~~The number of logins a user is permitted after the user’s password has expired.~~ |

|  |  |  |  |
| --- | --- | --- | --- |
| **Password Reuse Limit** | 5 | passwords | 1-36 |
| The number of times in which a password cannot be reused. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Maximum Number of Download Records** | 10000 | records | 1-200000 |
| The maximum number of SV records for a single data download for a TN-based ~~recovery~~ request. |

|  |  |  |  |
| --- | --- | --- | --- |
| **NPA-NXX Availability – First Usage Effective Date Window** | 5 | days | ~~5~~0-360 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Maintenance Window Start Time Hour** | ~~Midnight CT~~00 | Hour | 00-23 |
| The hour that SPID Migrations may begin processing. |
| **Maintenance Window End Time Hour** | 06 | Hour | 00-23 |
| The end hour of a maintenance window. |

|  |  |  |  |
| --- | --- | --- | --- |
| **SPID Migration Update – Online-to-Offline Restriction Window** | 14 | Days | ~~True/False~~0-365 |

NPAC BDD Data

The following note will be deleted in three places.

|  |  |
| --- | --- |
|  | ~~Fields 16 through 30 are included/excluded based on S-3.00C notification priority setting at the time of BDD file generation.~~ |