**Origination Date:** 07/10/15

**Originator:** iconectiv

### Change Order Number: NANC 462

**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 SMS Data Models (changed text in yellow highlights)

| **NPAC CUSTOMER DATA MODEL** | | | |
| --- | --- | --- | --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** |
| [snip] |  |  |  |
| NPAC Customer Allowable Functions | M | √ | Each bit in the mask represents a Boolean indicator for the following functional options:   1. SOA Management 2. SOA Network Data Management 3. SOA Data Download 4. SOA Notification Download 5. LSMS Network Data Management 6. LSMS Data Download 7. LSMS Queries/Audits   (only applies to the CMIP interface, not the XML interface) |
| NPAC Customer Download Indicator | M | √ | Each bit in the mask represents a Boolean indicator for the following functional options:   1. LSMS 2. Subscription Version/NPB Download Data 3. Network Data 4. Audit Queries 5. Notification Data 6. SOA 7. Network Data 8. Notification Data |
| ~~NPAC New Functionality Support~~ | ~~B~~ | ~~√~~ | ~~Each value represents a Boolean indicator is set to true if a service provider supports the functionality defined below. This Boolean is used to support backward compatibility. All values default to FALSE.~~   * ~~Timer Type – True if the SOA supports timer type over the interface.~~ * ~~Business Hours – True if the SOA supports business days/hours over the interface.~~ * ~~LSMS WSMSC DPC SSN Data – True if the LSMS system supports WSMSC DPC and SSN Data in subscription versions.~~ * ~~SOA WSMSC DPC SSN Data – True if the SOA system supports WSMSC DPC and SSN Data in subscription versions.~~ |
| Timer Type | B | √ | A Boolean that indicates whether the NPAC Customer SOA supports Timer Type.  The default value is FALSE. |
| Business Hours | B | √ | A Boolean that indicates whether the NPAC Customer SOA supports Business Hours.  The default value is FALSE. |
| LSMS WSMSC DPC SSN Data | B | √ | A Boolean that indicates whether the NPAC Customer LSMS supports WSMSC DPC SSN Data.  The default value is FALSE. |
| SOA WSMSC DPC SSN Data | B | √ | A Boolean that indicates whether the NPAC Customer SOA supports WSMSC DPC SSN Data.  The default value is FALSE. |
| SOA Increments Sequence Number in Heartbeat Messages | B | √ | A Service Provider Boolean that defines whether the NPAC Customer SOA supports incrementing sequence number in inbound and outbound Heartbeat messages. For the XML interface, this is the Keepalive message.  The default value is FALSE. |
| LSMS Increments Sequence Number in Heartbeat Messages | B | √ | A Service Provider Boolean that defines whether the NPAC Customer LSMS supports incrementing sequence number in inbound and outbound Heartbeat messages. For the XML interface, this is the Keepalive message.  The default value is FALSE. |
| ~~SOA Notification Channel Service Provider Tunable~~ | ~~B~~ | ~~√~~ | ~~A Service Provider Boolean that defines whether the NPAC Customer SOA supports a separate SOA association dedicated to notifications (only applies to the CMIP interface, not the XML interface).~~  ~~The default is FALSE.~~ |
| NPAC Customer SPID Migration E-Mail List | C (255) | √ | Service Provider SPID Migration contact e-mail address(es). |
| NPAC Customer LSMS Supports Activation Request TS in an NPB Modify during SWIM | B | √ | A Boolean that indicates whether the NPAC Customer LSMS supports the Activation Request TimeStamp for a Number Pool Block Modify during SWIM recovery.  The default value is FALSE. |
| NPAC Customer SOA Automated SPID Migration Indicator | B | √ | A Boolean that indicates whether the NPAC Customer SOA will receive/not-receive automated SPID Migration transactions over their SOA connection.  The default value is FALSE. |
| NPAC Customer LSMS Automated SPID Migration Indicator | B | √ | A Boolean that indicates whether the NPAC Customer LSMS will receive/not-receive automated SPID Migration transactions over their LSMS connection.  The default value is FALSE. |
| NPAC Customer SPID Migration Secure Site FTP Subdirectory | B | √ | A Boolean that indicates whether the NPAC Customer will have a subdirectory for each SPID Migration created.  The default value is FALSE. |
| [snip] |  |  |  |

Table 3‑2 NPAC Customer Data Model

| **SubscriPTION VERSION Data MODEL** | | | |
| --- | --- | --- | --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** | |
| [snip] |  |  |  | |
| Old Service Provider Conflict Resolution Time Stamp | T |  | The date and time that the Old Service Provider acknowledged the resolution of a Subscription Version in conflict. | |
| New Service Provider Conflict Resolution Time Stamp | T |  | The date and time that the New Service Provider acknowledged the resolution of a Subscription Version in conflict. | |
| Timer Type | E | √ | Timer type used for the subscription version.  0 – ~~Short~~Long Timers  1 – ~~Long~~Short Timers  2 – Medium Timers | |
| Initiator Service Provider ID | C (4) |  | The Service Provider ID that intiated the Subscription Version request. | |
| [snip] |  |  |  | |

Table 3‑6 Subscription Version Data Model

| **Number Pooling Block holder Information Data MODEL** | | | | |
| --- | --- | --- | --- | --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** | | |
| [snip] |  |  |  | | |
| Activation Broadcast Timestamp | T |  | Date and time (GMT) that broadcasting began to all local SMS systems for the activation of the Block. | | |
| Initiator Service Provider ID | C (4) |  | | The Service Provider ID that intiated the Number Pool Block request. | |
| [snip] |  |  |  | | |

Table 3‑9 Number Pooling Block Holder Information Data Model

| **Portable NPA-NXX DATA MODEL** | | | |
| --- | --- | --- | --- |
| **Attribute Name** | **Type (Size)** | **Required** | **Description** | |
| [snip] |  |  |  | |
| Split new NPA-NXX | C (6) |  | The new NPA-NXX for an NPA split. | |
| [snip] |  |  |  | |

Table 3‑11 Portable NPA-NXX Data Model

NPAC Customer Data

RR3-2 Service Provider Download Indicator

NPAC SMS shall download NPA-NXX data and LRN data via the NPAC SMS-to-Local SMS Interface (if supported) and/or the SOA-to-NPAC SMS interface (if supported)~~if the indicator is~~ **~~ON~~**.

RR3-59 NPAC Customer LSMS EDR Indicator – Default

DELETED~~NPAC SMS shall default the EDR Indicator to~~ **~~TRUE~~**. ~~(Previously NC-60)~~

R4‑8 Service Provider Data Elements

NPAC SMS shall require the following data if there is no existing Service Provider data: (reference NANC 399)

1. Service Provider name, address, phone number, and contact organization.
2. ~~NPAC customer type.~~
3. Service Provider allowable functions (applies only to the CMIP interface, not the XML interface).
4. Service Provider Network Address of NPAC SMS-to-Local SMS interface (applies only to the CMIP interface, not the XML interface).
5. Service Provider Network Address of SOA-to-NPAC SMS interface (applies only to the CMIP interface, not the XML interface).
6. Service Provider Security Contact. Contact data is security data when Contact Type is “SE.”
7. Service Provider Repair contact name and phone number. The default Service Provider Repair Contact and phone number shall be the same as the Service Provider contact and phone number, if the Service Provider Repair Contact information is left blank.
8. Service Provider billing name, address, phone number, and billing contact for NPAC SMS billing. The default for the Service Provider Billing data shall be the same as the Service Provider data, if the Service Provider Billing information is left blank.
9. Service Provider Download Indicator
10. ~~Service Provider Maximum Query~~
11. ~~NPAC New Functionality Support~~
12. Timer Type
13. Business Hours
14. LSMS WSMSC DPC SSN Data
15. SOA WSMSC DPC SSN Data
16. Port In Timer Type (can select Short or Long, cannot select Medium)
17. Port Out Timer Type (can select Short or Long, cannot select Medium)
18. Business Hour/Days (can select Short or Long, cannot select Medium)
19. NPAC Customer SOA NPA-NXX-X Indicator
20. NPAC Customer LSMS NPA-NXX-X Indicator
21. SOA Notification Priority for each SOA notification. Separate values may be set for Status Attribute Value Change notifications based on whether the Service Provider is acting as the Old Service Provider or as the New Service Provider for the port as indicated in Appendix C, Table C-7 – SOA Notification Priority Tunables.
22. TN Range Notification Indicator
23. No New SP Concurrence Notification Indicator
24. Service Provider Type
25. Service Provider Type SOA Indicator
26. Service Provider Type LSMS Indicator
27. Service Provider SOA SWIM Recovery Indicator (applies only to the CMIP interface, not the XML interface)
28. Service Provider LSMS SWIM Recovery Indicator (applies only to the CMIP interface, not the XML interface)
29. NPAC SMS to SOA Application Level Heartbeat Indicator
30. NPAC SMS-to-LSMS Application Level Heartbeat Indicator
31. SOA Action Application Level Errors Indicator (applies only to the CMIP interface, not the XML interface)
32. LSMS Action Application Level Errors Indicator (applies only to the CMIP interface, not the XML interface)
33. SOA Non-Action Application Level Errors Indicator (applies only to the CMIP interface, not the XML interface)
34. LSMS Non-Action Application Level Errors Indicator (applies only to the CMIP interface, not the XML interface)
35. ~~SOA Notification Channel Service Provider Tunable (applies only to the CMIP interface, not the XML interface)~~
36. Subscription Version TN Attribute Flag Indicator (applies only to the CMIP interface, not the XML interface)
37. Number Pool Block NPA-NXX-X Attribute Flag Indicator (applies only to the CMIP interface, not the XML interface)
38. Service Provider SOA Supports Cancel-Pending-to-Conflict Cause Code
39. Service Provider LSMS Supports Cancel-Pending-to-Conflict Cause Code
40. Service Provider SOA SV Query Indicator
41. Service Provider LSMS SV Query Indicator
42. NPAC Customer SOA SV Type Indicator
43. NPAC Customer SOA Alternative SPID Indicator
44. NPAC Customer LSMS SV Type Indicator
45. NPAC Customer LSMS Alternative SPID Indicator
46. Service Provider SOA SPID Recovery Indicator
47. Service Provider LSMS SPID Recovery Indicator
48. NPAC Customer SOA Alt-End User Location Value Indicator
49. NPAC Customer LSMS Alt-End User Location Value Indicator
50. NPAC Customer SOA Alt-End User Location Type Indicator
51. NPAC Customer LSMS Alt-End User Location Type Indicator
52. NPAC Customer SOA Alt-Billing ID Indicator
53. NPAC Customer LSMS Alt-Billing ID Indicator
54. NPAC Customer SOA Voice URI Indicator
55. NPAC Customer LSMS Voice URI Indicator
56. NPAC Customer SOA MMS URI Indicator
57. NPAC Customer LSMS MMS URI Indicator
58. NPAC Customer SOA SMS URI Indicator
59. NPAC Customer LSMS SMS URI Indicator
60. NPAC Customer SOA Last Alternative SPID Support Indicator
61. NPAC Customer LSMS Last Alternative SPID Support Indicator
62. Service Provider Medium Timers Support Indicator
63. NPAC Customer SOA Pseudo-LRN Indicator
64. NPAC Customer LSMS Pseudo-LRN Indicator
65. NPAC Customer SOA Pseudo-LRN Notification Indicator
66. NPAC Customer LTI Pseudo-LRN Indicator
67. Service Provider Network Address of NPAC SMS-to-Local SMS interface (applies only to the CMIP interface, not the XML interface)
68. Service Provider Network Address of SOA NPAC SMS interface (applies only to the CMIP interface, not the XML interface)
69. Service Provider XML Connection Address Primary of NPAC SMS-to-Local SMS interface (applies only to the XML interface, not the CMIP interface)
70. Service Provider XML Connection Address Primary of SOA NPAC SMS interface (applies only to the XML interface, not the CMIP interface)
71. Service Provider XML Connection Address Secondary of NPAC SMS-to-Local SMS interface (applies only to the XML interface, not the CMIP interface)
72. Service Provider XML Connection Address Secondary of SOA NPAC SMS interface (applies only to the XML interface, not the CMIP interface)
73. SOA XML Extended Errors Indicator (applies only to the XML interface, not the CMIP interface)
74. LSMS XML Extended Errors Indicator (applies only to the XML interface, not the CMIP interface)
75. NPAC Customer SOA Sending Failed SV Query Indicator
76. NPAC Customer LSMS Sending Failed SV Query Indicator
77. NPAC Customer SPID Migration e-mail list
78. NPAC Customer SOA Increments Sequence Number in Heartbeat Messages
79. NPAC Customer LSMS Increments Sequence Number in Heartbeat Messages
80. NPAC Customer LSMS Supports Activation Request TS in an NPB Modify during SWIM

The following data is optional:

1. Service Provider Contact Type: SOA Contact, Local SMS, Web, Network Communications, Conflict Resolution, Operations, and User Administration Contact Address Information.
2. NPAC Customer Associated Service Provider Information

~~RR6-178 SOA Notification Channel Service Provider Indicator~~

~~NPAC SMS shall provide a Service Provider SOA Notification Channel indicator which defines whether a SOA supports a separate SOA association dedicated to notifications. (previously NANC 383, Req 1)~~

~~RR6-179 SOA Notification Channel Service Provider Indicator – Default~~

~~NPAC SMS shall default the Service Provider SOA Notification Channel indicator to FALSE. (previously NANC 383, Req 2)~~

~~RR6-180 SOA Notification Channel Service Provider Indicator – Modification~~

~~NPAC SMS shall allow NPAC Personnel, via the NPAC Administrative Interface, to modify the Service Provider SOA Notification Channel indicator. (previously NANC 383, Req 3)~~

RR6-182 Separate Association for the Notification Function From different NSAPs

NPAC SMS shall accept a separate association from the SOA for the Notification function from different Service Provider NSAPs, when the SOA supports a separate Notification Channel ~~tunable is set to TRUE~~. (previously NANC 383, Req 5)

RR6-185 Separate Notification Channel during Recovery

NPAC SMS shall only allow a separate Notification Channel association to request notification recovery, when the Service Provider SOA supports a separate Notification Channel ~~tunable is TRUE~~. (previously NANC 383, Req 8)

NPAC Network Data

None.

NPAC Pooling Data

RR3-743 Number Pool NPA-NXX-X Holder Information – ServiceProvider Local SMS Pseudo-LRN 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, when an NPA-NXX-X is indicated as ~~both SOA Origination and~~ pseudo-LRN, when the Service Provider LSMS Pseudo-LRN Indicator is set to TRUE, and the New Service Provider value in the pseudo-LRN record is contained in the Service Provider’s Pseudo-LRN Accepted SPID List. (previously NANC 442 Req 48)

RR3-744 Number Pool NPA-NXX-X Holder Information – ServiceProvider SOA Pseudo-LRN 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 SOA-to-NPAC SMS Interface, when an NPA-NXX-X is indicated as ~~both SOA Origination and~~ pseudo-LRN, when the Service Provider SOA Pseudo-LRN Indicator is set to TRUE, and the New Service Provider value in the pseudo-LRN record is contained in the Service Provider’s Pseudo-LRN Accepted SPID List. (previously NANC 442 Req 47)

NPAC Subscription Data

R5‑50.1 Conflict Resolution Subscription Version - Set Status and Authorization Timestamp

NPAC SMS shall set the version status to pending and update the Old Service Provider Authorization Timestamp, if the Subscription Version is in conflict upon a request from NPAC personnel, new, or old service providers, to set a Subscription Version to pending.

RR5-25.2 Disconnect Subscription Version - Customer Disconnect Date Notification

NPAC SMS shall notify the new Service Provider (donor) of the Subscription Version Customer Disconnect Date and Effective Release Date ~~immediately prior to~~ at the same time as broadcasting a Subscription Version disconnect.

Note: If the Effective Release Date is not specified in the Disconnect Request from the current Service Provider, the Effective Release Date will be populated with the same value as the Customer Disconnect Date.

RR5-69 Disconnect Subscription Version – Updates to the Failed SP List for Disconnect

NPAC SMS shall update the ***Subscription Version Failed SP List*** of the individual subscription version(s) that were broadcast to the Local SMSs with the discrepant Local SMS(s), upon completion of the broadcast of the ***delete*** of the Subscription Version(s) to Local SMSs. (Previously SV-425)

Note: The NPAC SMS will roll up the Subscription Version Failed SP List so that the SV that was active prior to the disconnect request (SV1) contains the Failed SP List for ~~both~~ SV1 ~~and SV2~~, as defined in the IIS Message Flows for Disconnect of a Ported Pooled Number.

RR5-70 Disconnect Subscription Version – Updates to the Failed SP List for Port-To-Original

NPAC SMS shall update the ***Subscription Version Failed SP List*** of the individual subscription version(s) that were sent up in the Port-to-Original Activate request by the SOA with the discrepant Local SMS(s), upon completion of the broadcast of the ***delete*** of the Subscription Version(s) to Local SMSs. (Previously SV-426)

Note: The NPAC SMS will roll up the Subscription Version Failed SP List so that the SV that was active prior to the port-to-original activate request (SV2) contains the Failed SP List for ~~both~~ SV1 ~~and SV3~~, as defined in the IIS Message Flows for a Port-To-Original of a Ported Pooled Number.

R5-74.4 Query Subscription Version - Output Data - LSMS

NPAC SMS shall return the following output data for a Subscription Version query request initiated over the NPAC SMS-to-Local SMS interface: (reference NANC 399)

1. Subscription Version ID
2. Subscription Version Status
3. [snip]
4. Voice URI (if supported by the Service Provider LSMS)
5. MMS URI (if supported by the Service Provider LSMS)
6. SMS URI (if supported by the Service Provider LSMS)
7. ~~New SP Medium Timer Indicator (if supported by the Service Provider LSMS)~~
8. ~~Old SP Medium Timer Indicator (if supported by the Service Provider LSMS)~~
9. Activity Time Stamp (XML only)

~~RR5-181 Modify (PTO) Subscription Version – New Service Provider Optional input data~~

~~NPAC SMS shall accept the following optional fields from the NPAC Personnel or the new Service Provider, when the Porting to Original flag is set to True, upon modification of a pending or conflict subscription version:~~

1. ~~Billing Service Provider ID~~
2. ~~End‑User Location ‑ Value~~
3. ~~End‑User Location ‑ Type~~

R5‑27.1 Modify Subscription Version - New Service Provider Data Values

NPAC SMS shall allow the following data to be modified in a pending or conflict Subscription Version for an Inter-Service Provider or Intra-Service Provider port by the new/current Service Provider or NPAC personnel: (reference NANC 399)

1. Location Routing Number (LRN) ‑ the identifier of the ported to switch (excluding setting or removing a pseudo-LRN).
2. Due Date ‑ date on which transfer of service from old facilities‑based Service Provider to new facilities-based Service Provider is planned to occur.
3. Class DPC
4. Class SSN
5. LIDB DPC
6. LIDB SSN
7. CNAM DPC
8. CNAM SSN
9. ISVM DPC
10. ISVM SSN
11. WSMSC DPC (if supported by the Service Provider SOA)
12. WSMSC SSN (if supported by the Service Provider SOA)
13. SV Type (if supported by the Service Provider SOA)
14. Alternative SPID (if supported by the Service Provider SOA)
15. Last Alternative SPID (if supported by the Service Provider SOA)
16. Alt-End User Location Value (if supported by the Service Provider SOA)
17. Alt-End User Location Type (if supported by the Service Provider SOA)
18. Alt-Billing ID (if supported by the Service Provider SOA)
19. Voice URI (if supported by the Service Provider SOA)
20. MMS URI (if supported by the Service Provider SOA)
21. SMS URI (if supported by the Service Provider SOA)
22. New SP Medium Timer Indicator (if supported by the Service Provider SOA, ignored for intra-provider ports)

NPAC Audit Data

RX6-3 SOA to NPAC SMS audit requests

NPAC SMS shall supportSOA-to-NPAC SMS audit requests for all~~, part~~ or one Service Provider via the NPAC SOA Low-tech Interface.

RR8-6 Audit Processing for All Subscription Versions in a Number Pooling Environment

NPAC SMS shall process an audit request of an Active-Like **Subscription Version(s),** by performing the following steps: (Previously A-2)

* Validate that the audit request is valid (existing FRS functionality).
* Validate that the Block associated with the TN contained in the Subscription Version(s), exists in the NPAC SMS.
* Send queries of Block(s) **AND** TN Range or TN Range with Activation Timestamp, to Local SMSs that are accepting downloads for the given NPA-NXX.
* Process Local SMS responses for the Block(s) by doing a comparison. If a discrepancy exists, the NPAC SMS data is considered “correct”, and a correction should be sent to the Local SMS.
* Process Local SMS responses for Subscription Versions, as follows:
* LSPP and LISP – Use existing audit functionality
* POOL – “No Data” is correct response, SVs for other LNP Types need to be deleted.
* Send audit results and notification of discrepancies, back to requesting SOA, only for the TN Range that was requested, even if other TNs were affected because of a Local SMS. The existing notification report will be unchanged, and will not contain block information. In cases where a Local SMS erroneously contained a Number Pool Block, the NPAC SMS shall send a Number Pool Block delete to the Local SMS, but shall not report any discrepancy back to the requesting SOA for this Local SMS if this was the only discrepancy. The NPAC SMS will report to the SOA the discrepancies with subscription version identifiers. Thus, if a numberPoolBlock object is in error, the discrepancy will be reported as all TNs within the audit range. Subscription version discrepancies will be reported as usual.

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

RR3-5 Create Filtered NPA-NXX for a Local SMS and SOA

NPAC SMS shall allow a Service Provider to create a filtered NPA-NXX for a given Local SMS and SOA, via the NPAC SMS-to-Local SMS interface and the SOA-to-NPAC SMS interface, which results in the SMS **NOT** broadcasting NPA-NXX information, subscription versions, NPA-NXX-X information or Number Pool Blocks with the filtered NPA-NXX to the Local SMS and SOA.

RR3-6 Delete Filtered NPA-NXX for a Local SMS and SOA

NPAC SMS shall allow a Service Provider to delete a filtered NPA-NXX for a given Local SMS and SOA, via the NPAC SMS-to-Local SMS interface and the SOA-to-NPAC SMS interface, which results in the SMS broadcasting NPA-NXX information, subscription versions, NPA-NXX-X information and Number Pool Blocks with the filtered NPA-NXX to the given Local SMS and SOA.

RR3-7 Query Filtered NPA-NXXs for a Local SMS and SOA

NPAC SMS shall allow a Service Provider to query filtered NPA-NXXs for a given Local SMS and SOA via the NPAC SMS-to-Local SMS interface and the SOA-to-NPAC SMS interface.

NOTE: .The NPAC SMS maintains NPA-level filters internally. Therefore, they are NOT returned as a result of a query request.

RR3-580 SPID Migration Update - Service Providers Viewing Migrations

NPAC SMS shall allow service providers to view all SPID migrations that have been approved by NPAC Personnel, as well as SPID migrations with a status of completed, cancelled, and suspended. (previously NANC 408, Req X16)

RR3-602 SPID Migration Update – Quota Management

NPAC SMS shall apply quota to SPID Migration operations for Total US SPID Migrations, Total Regional Migrations, and Regional SV Counts when NPAC Personnel approve or cancel a SPID migration. (previously NANC 408, Req X34)

RR3-624 Generation of Preliminary SMURF files

NPAC SMS shall generate and distribute Preliminary SMURF files for a SPID Migration tunable days (tunable Preliminary SPID Migration SMURF Files Lead Time) prior to the scheduled date for the SPID Migration. (previously NANC 408, Req X50)

Note: The files are not generated if the SPID Migration is manually performed/executed prior to the scheduled date lead time.

RR6‑21 SOA ~~Activation~~ Failure Retry

NPAC SMS shall resend the message a SOA Retry Attemptstunable parameter number of times to a SOA that has not acknowledged the receipt of the message once the SOA Retry Intervaltunable parameter expires.

RR6‑28 LSMS ~~Activation~~ Failure Retry

NPAC SMS shall resend the message an LSMS Retry Attemptstunable parameter number of times to a Local SMS that has not acknowledged the receipt of the message once the LSMS Retry Intervaltunable parameter expires.

RR6-188 NPAC Maintenance Windows – Timer Update Tool – Affected Timers

NPAC SMS shall use the “Knowledgeable-Internal-NPAC-Generation – Timer-Update-Tool” to update the following timers:

* Initial Concurrence Window (New SPID and Old SPID, Short, Medium and Long)
* Final Concurrence Window (New SPID and Old SPID, Short, Medium and Long)
* Cancellation Initial Concurrence Window (New SPID and Old SPID, Short, Medium and Long)
* Cancellation Final Concurrence Window (New SPID and Old SPID, Short, Medium and Long)

(previously NANC 385, Req 2)

NPAC Tunable Data

System Tunables.

|  |  |  |  |
| --- | --- | --- | --- |
| **~~Regional NPAC NPA-NXX Live~~ Region Supports First Usage Effective Date** **Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not the NPA-NXX First Usage Effective Date Live TimeStamp functionality will be supported by the NPAC SMS for a particular NPAC Region. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Client Session Timeout Warning** | 2 | Minutes | 1-5 |
| Number of minutes a timeout warning is sent before expiring a GUI session | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **CLASS SSN Edit Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not CLASS DPC/SSN consistency edits will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **CNAM SSN Edit Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not CNAM DPC/SSN consistency edits will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **ISVM SSN Edit Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not ISVM DPC/SSN consistency edits will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **LIDB SSN Edit Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not LIDB DPC/SSN consistency edits will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **WSMSC SSN Edit Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not WSMSC DPC/SSN consistency edits will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **LTI DPC/SSN Validation Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not LTI DPC-SSN validation will be supported by the NPAC SMS for a particular NPAC Region. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Departure Time Threshold** | 5 | Minutes | 1-60 |
| Number of minutes of difference allowed between the departure time of a message from the sending system, and the receipt of that message at the receiving system | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **NPA-NXX Modification Flag Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not NPA-NXX Modification will be supported by the NPAC SMS for a particular NPAC Region. | | | |
| **NPA-NXX Ownership Edit** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not NPA-NXX Ownership Edit will be supported by the NPAC SMS for a particular NPAC Region. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Pseudo-LRN Indicator** | TRUE |  | TRUE/FALSE |
| Tunable that indicates whether or not Pseudo-LRN will be supported by the NPAC SMS for a particular NPAC Region. | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Subscription Query Record Limit** | 50 | Records | 1-50 |
| The maximum number of SVs that are queried by the NPAC in an audit of an LSMS. | | | |

SOA Notification Priority Tunables.

|  |  |  |
| --- | --- | --- |
| **L-8.0** | **~~Subscription Version~~ New NPA-NXX Notification**  When a first usage notification is generated. | MEDIUM (to SOA) |

|  |  |  |
| --- | --- | --- |
| **L-11.0**  **H3** | **Subscription Version Status Attribute Value Change Notification - cancel**  When the NPAC SMS has set the status of a *pending* SV to *CANCEL* after cancellation request by the originating SOA with no concurrence from the other SOA. (Only one create action has been received in the NPAC and the same provider sends the cancellation request before the second provider send a create request.) The notification is sent to both SOAs: Old and New. Or, when the originating SOA cancels an intra-port. The notification is sent to the originating SOA. | MEDIUM |

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| **L-11.0**  **H3** | **Subscription Version Status Attribute Value Change Notification - cancel**  When the NPAC SMS has set the status of a *pending* SV to *CANCEL* after cancellation request by the originating SOA with no concurrence from the other SOA. (Only one create action has been received in the NPAC and the same provider sends the cancellation request before the second provider send a create request.) Or, the Pending Subscription Retention tunable has expired. The notification is sent to both SOAs: Old and New. | MEDIUM |

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| **L-11.0**  **H4** | **Subscription Version Status Attribute Value Change Notification - cancel**  When the NPAC SMS has set the status of a *conflict* SV to *CANCEL* after the Conflict Cancellation Window expires, if no resolution has been reached for the conflict, or the Old Service Provider has cancelled a conflict/non-concurred SV, the NPAC automatically cancels the *Conflict* SV. The notification is sent to both SOAs: Old and New. | MEDIUM |

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| **L-11.0**  **K2** | **Subscription Version Status Attribute Value Change Notification - Conflict**  When the status of a *Cancel-Pending* SV is set to *conflict*. Cancel-Pending to Conflict is when the Old Service Provider has cancelled the Pending SV but the New Service Provider has not acknowledged the cancellation by the time the Cancellation Acknowledgement Final Concurrence Timer has expired. Or, when a *Cancel-Pending* SV is modified back (un-do) to *Conflict*. The notification is sent to both SOAs: Old and New. For the XML interface, notification is N/A, as status is included in a separate Attribute Value Change notification. | MEDIUM |

SPID Migration Tunables.

| **Spid Migration Tunables** | | | |
| --- | --- | --- | --- |
| **Tunable Name** | **Default Value** | **Units** | **Valid Range** |
| **SPID Migration Online Functionality Indicator** | True | Boolean | True/False |
| An indicator on whether or not SPID Migration Online Functionality capability will be supported by the NPAC SMS for a particular NPAC region. | | | |
| **SPID Migration Last Scheduling Date** | None | Char | MM/DD/YYYY |
| The last date that a SPID Migration may be entered into the NPAC system. | | | |
| **SPID Migration Update – Available Migration Window Minimum** | 32 | Days | 0-90 |
| The minimum length of time between the current date (exclusive) and the SPID Migration date (inclusive), when a Service Provider requests to see available SPID Migration timeslots. | | | |
| **SPID Migration Email List** | <empty> | Char | Up to 1000 |
| The email address(es) that are notified of SPID Migration operations. | | | |
| **Completed SPID Migration Retention** | 365 | Days | 1-365 |
| The number of days before a completed SPID Migration will be purged from the database. | | | |
| **Cancelled SPID Migration Retention** | 365 | Days | 1-365 |
| The number of days before a cancelled SPID Migration will be purged from the database. | | | |
| **SPID Migration Quota – Single Region** | 7 | Migrations | 1-25 |
| The maximum number of SPID Migration timeslots within a region for a given SPID Migration maintenance window. | | | |
| **SPID Migration Quota – All Regions** | 25 | Migrations | 1-25 |
| The maximum number of SPID Migration timeslots for all region for a given SPID Migration maintenance window. | | | |
| **SPID Migration Quota – SVs** | 500,000 | Records | 100,000 – 500,000 |
| The maximum number of SVs within a region for a given SPID Migration maintenance window. | | | |
| **Maintenance Window Day of the Week** | SU | DOW | SU-SA |
| The day of the week that SPID Migrations are performed. | | | |
| **Maintenance Window Start Time Hour** | Midnight CT | Hour | 00-23 |
| The hour that SPID Migrations may begin processing. | | | |
| **Preliminary SPID Migration SMURF Files Lead Time** | 10 | Days | 1-14 |
| The number of days before a SPID Migration scheduled date when the Preliminary SMURF files are automatically generated. | | | |
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| **SPID Migration Update – Online-to-Offline Restriction Window** | 14 | Days | True/False |
| The number of calendar days between the current date (exclusive) and the SPID Migration date (inclusive), that a change is **not** allowed to the Service Provider’s data associated with SPID Migration data that would cause the SPID Migration to move from online-to-offline. | | | |
| **SPID Migration Update – SPID Migration Date Restriction Window** | 3 | Days | 1-7 |
| The number of calendar days (inclusive) that a SPID Migration is allowed prior to the SPID Migration Effective Date. | | | |
| **Online SPID Migration Lead Time** | 90 | Minutes | 10-360 |
| The number of minutes that an online SPID Migration is allowed prior to the NPAC maintenance window. | | | |

NPAC BDD Data

SV BDD File, update the FRS example to remove the zero padding.

~~000~~1|3031231000|1234567890|0001|19960916152337|

123123123|123|123123123|123|123123123|123|123123123|123|

123456789012|12|0001|0|0||||||||||(CR) (end of subscription 1)

~~000~~2|3031241000|1234567891|0001|19960825011010|

123123123|123|123123123|123|123123123|123|123123123|123|

123456789013|13|0001|0|0||||||||||(CR) (end of subscription 2)

~~000~~3|3031251000|1234567892|0001|19960713104923|

123123123|123|123123123|123|123123123|123|123123123|123|

123456789014|13|0001|0|0||||||||||(CR) (end of subscription 3)

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| 1 | Version Id | ~~000000000~~1 |