**Origination Date:** 03/08/17

**Originator:** iconectiv

### Change Order Number: NANC 491

**Description:** Turn-Up Test Plan Doc-Only Clarifications

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

|  |  |  |
| --- | --- | --- |
| DOC | FRS | IIS |
| N | 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:

Turn-up Test Plan (changed text in yellow highlights)

Chapter 8, test case 8.1.2.1.1.30, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA.

Chapter 8, test case 8.1.2.1.1.31, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.1.1.32, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.1.1.33, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.1.1.34, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.1.1.36, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.1.1.37, update step 4.

The NPAC SMS issues an objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) containing:

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

~~subscriptionNewSP-CreationTimeStamp~~

subscriptionOldSP-Authorization

subscriptionOldSP-AuthorizationTimeStamp

subscriptionVersionStatus

~~subscriptionNewSP-DueDate~~

subscriptionOldSP-DueDate

subscriptionStatusChangeCauseCode – if subscriptionOldSP-Authorization is false

subscriptionTimerType – if supported by the Service Provider SOA

subscriptionBusinessType – if supported by the Service Provider SOA

~~subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA~~

subscriptionOldSPMediumTimerIndicator – if supported by the Service Provider SOA

Chapter 8, test case 8.1.2.2.1.14, update purpose section.

New Service Provider issues a modify for each of the required fields for a ‘pending’ port which is in conflict using valid data.

The following are the required fields:

LRN

Due Date (the due date is set to a value greater than or equal to the NPA-NXX Effective Date)

SV Type – if supported by the Service Provider SOA

~~Medium Timer Indicator – if supported by the Service Provider SOA~~

Chapter 8, test case 8.1.2.2.1.18, update purpose section.

New Service Provider issues a modify for each of the required fields for a ‘pending’ port request which is in conflict using valid data.

The following are the required fields:

LRN

Due Date (the due date is set to a value greater than or equal to the NPA-NXX Effective Date)

SV Type – if supported by the Service Provider SOA

~~Medium Timer Indicator – if supported by the Service Provider SOA~~

Chapter 8, test case 8.1.2.4.1.10, update steps 13 and 14.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the ~~old~~new Service Provider for the previous ‘active’ Subscription Version setting the status to ‘old’, upon receiving successful acknowledgment from all involved LSMSs.

~~Old~~New Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Chapter 8, test case 8.1.2.4.1.21, update steps 12 and 14.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the new Service Provider setting the status of the PTO Subscription Version to ~~old~~partial failure and the list of failed LSMSs, upon disconnect failure.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the old Service Provider setting the status of the PTO Subscription Version to ~~old~~partial failure and the list of failed LSMSs, upon disconnect failure.

Chapter 8, test case 8.1.2.4.1.24, update steps 12 and 14.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML), for each PTO Subscription Version, to the new Service Provider setting the status to ~~old~~partial failure and the list of failed LSMSs, upon disconnect failure.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML), for each PTO Subscription Version, to the old Service Provider setting the status to ~~old~~partial failure and the list of failed LSMSs, upon disconnect failure.

Chapter 9, test case 48-5, update steps 3, 5, 7, 13, 14, and 18.

The NPAC SMS issues an M-ACTION Response to the SPID ‘A’s’ SOA with the following information for (Primary) SPID ‘A’:

* objectCreation for SV1
* subscriptionVersionNewSP-~~Concurrence~~Create Request for SV1
* subscriptionVersionNewSP-Final~~Concurrence~~Create Window Expiration for SV1
* ~~subscriptionVersionStatusAttributeValueChange for SV1 updating the SV status to ‘cancelled’~~
* ~~lnpNPAC-SMS-Operational-Information~~

The NPAC SMS issues an M-ACTION Response to the SPID ‘A’s’ SOA with the following information for (Associated) SPID ‘B’:

* objectCreation for SV1
* subscriptionVersionNewSP-FinalCreate Window Expiration for SV1
* ~~subscriptionVersionStatusAttributeValueChange for SV1 updating the SV status to ‘cancelled’~~
* subscriptionVersionDonorSPCustomerDisconnectDate for SV2
* subscriptionVersionStatusAttributeValueChange for SV3 updating the SV status to ‘active’
* ~~lnpNPAC-SMS-Operational-Information~~
* objectCreation for SV4
* subscriptionVersionOldSPFinalConcurrence Window Expiration for SV4

NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.

The NPAC SMS issues an M-ACTION Response to the SPID ‘A’s’ SOA with the following information for (Associated) SPID ‘C’:

* subscriptionVersionStatusAttributeValueChange for SV3 updating the SV status to ‘active’
* ~~lnpNPAC-SMS-Operational-Information~~
* subscriptionStatusAttributeValueChange setting SV~~3~~2 to ‘old’
* objectCreation for SV4
* subscriptionVersionOldSP-ConcurrenceRequest for SV4
* subscriptionVersionOldSP-FinalConcurrenceWindowExpiration for SV4

NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.

SPID ‘A’ Service Provider Personnel perform a local query for the subscriptionVersionNewSP-~~Concurrence~~Create Request message for SV1.

SPID ‘A’ Service Provider Personnel perform a local query for the subscriptionVersionNewSP-Final~~Concurrence~~Create Window Expiration message for SV1.

SPID ‘C’ Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeValueChange message for SV~~3~~2.

Chapter 9, test case 48-9, update pre-req 6, and step 2.

Verify that SPID ‘C’ is configured with a SOA Network Data Download Indicator and LSMS Network and Subscription Data Download Indicator set to ‘ON’. SPID ‘C’ has a filter set such that it WILL ~~NOT~~ receive downloads for this NPA-NXX.

Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID ‘A’ (for SPID ‘~~B~~C’) indicating success for the TN’s in the range.

Chapter 9, test case 48-10, update step 2.

The NPAC SMS determines the request is valid and performs the following:

* Creates the subscriptionVersionNPAC object.
* Sets the subscription version status to ‘pending’.
* Sets the subscriptionVersionModifiedTimeStamp, subscriptionCreationTimeStamp, subscriptionNewSP-~~Authorization~~CreationTimeStamp ~~and subscriptionOldSP-AuthorizationTimeStamp~~ to the current date and time.

Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID ‘A’ (for SPID ‘B’) indicating success.

Chapter 9, test case 48-12, update pre-req test case, step 15.

NANC 48-1~~3~~1 SOA – ‘Primary’ SPID ‘A’ issues a Port-To-Original Subscription Version Create to the NPAC SMS for a single TN, where they are the New Service Provider and ‘Associated’ SPID ‘B’ is the Old Service Provider – Success

~~No data will be returned because SPID ‘C’ is neither the Old nor the New Service Provider~~ Verify that the subscription versions (SV1 and SV2) exist with a status of ‘old’.

Chapter 9, test case 48-15, update pre-req test case, and description, update step 13.

~~NANC 48-16 SOA – ‘Associated’ Service Provider ‘A’ issues a Subscription Version Create for a ‘Pooled’ TN, where they are the New Service Provider and SPID ‘B’ is the Old Service Provider – Success~~

NANC 48-14 SOA – ‘Associated’ Service Provider ‘B’ issues a Subscription Version Create for a ‘Pooled’ TN, where they are the New Service Provider and SPID ‘A’ is the Old Service Provider – Success

~~No data will be returned because SPID ‘C’ is neither the Old nor the New Service Provider~~ Verify that the subscription version exists with a status of ‘active’.

Chapter 9, test case 48-16, update pre-req test case, and description, update steps 18, 19.

~~NANC 48-17 SOA – ‘Associated’ Service Provider ‘A’ issues a Subscription Version Activate for a ‘Pooled’ TN, where they are the New Service Provider and ‘Associated’ SPID ‘B’ is the Old Service Provider – Success~~

NANC 48-15 SOA – ‘Associated’ Service Provider ‘B’ issues a Subscription Version Activate for a ‘Pooled’ TN, where they are the New Service Provider and ‘Primary’ SPID ‘A’ is the Old Service Provider – Success

~~No data is returned because SPID ‘C’ is not the Current Service Provider~~ Verify that SV1 exists with a status of ‘old’ and an empty failed-SP List.

~~No data will be returned because SPID ‘C’ is neither the Old nor the New Service Provider~~ Verify that SV2 exists with a status of ‘active’, an LNP type of ‘POOL’ and SPID ‘A’ is the Current Service Provider.

Chapter 9, test case 139-9, update step 4.

The SOA receives the M-~~CREATE~~DELETE and sends an M-~~CREATE~~DELETE response back to the NPAC SMS.

Chapter 9, test case 201-21, update pre-req 2.

Verify that the Conflict Restriction Window has not been reached.

Chapter 9, test case 201-33, update step 1.

The NPAC SMS rejects the Subscription Version Modify Request and issues an Error Response (M-ACTION Error Response) in CMIP (or MODR - ModifyReply in XML) back to the Old Service Provider system indicating the reason for failure**~~(invalid data value)~~**.

Chapter 10, test case 3.4.1, update pre-req 1.

~~3.1.1 NPAC OP GUI - NPAC Personnel create NPA-NXX-X Information, where the Block Holder SPID is the same as the Code Holder SPID and the NPAC SMS schedules the Number Pool Block create, and the NPAC SMS activates upon scheduled date and time.- Success Success~~

Chapter 10, test case 4.1.5, update pre-req 1.

Verify that the NPA-NXX-X for the Number Pool Block that Service Provider Personnel will attempt to create during this Test Case exists and the Effective Date has passed. The code holder should be different than the block holder.

Chapter 10, test case 4.2.1, delete step 11.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~11.~~ | ~~SP – Conditional~~ | ~~Service Provider Personnel verify that the ‘old’ Number Pool Block that was created as a result of the modification did not get broadcast.~~ | ~~SP~~ | ~~Verify the ‘old’ Number Pool Block did not get broadcast.~~ |

Chapter 10, test case 4.2.5, update step 4.

Service Provider Personnel perform a local query for the Number Pool Block ~~and the 1K Block of Subscription Versions with LNP Type set to ‘POOL’~~.

1. Verify the Number Pool Block has not been modified.
2. ~~Verify the 1K Block of Subscription Versions has NOT been modified.~~

Chapter 10, test case 4.2.6, update step 4.

Service Provider Personnel perform a local query for the Number Pool Block ~~and the 1K Block of Subscription Versions with LNP Type set to ‘POOL’.~~

1. Verify the Number Pool Block has not been modified.
2. ~~Verify the 1K of Subscription Versions with LNP Type set to ‘POOL’ has not been modified.~~

Chapter 10, test case 4.2.9, delete test case.

Chapter 10, test case 4.2.10, delete test case.

Chapter 10, test case 4.4.1, update step 3.

Service Provider personnel view the Number Pool Blocks that the NPAC SMS returned and verify the following Number Pool Block attributes are provided for each Number Pool Block:

* Block Id
* Block Holder SPID
* NPA-NXX-X
* LRN
* SV Type - if supported by the Service Provider SOA
* CLASS DPC
* CLASS SSN
* LIDB DPC
* LIDB SSN
* CNAM DPC
* CNAM SSN
* ISVM DPC
* ISVM SSN
* WSMSC DPC - if supported by the Service Provider SOA
* WSMSC SSN – if supported by the Service Provider SOA
* Optional Data attributes – if supported by the Service Provider SOA
* Creation Date
* Activation Start TimeStamp
* Activation Broadcast TimeStamp
* Last Modified TimeStamp
* Disconnect Broadcast Complete TimeStamp
* Modify Broadcast Complete TimeStamp
* SOA Origination Indicator
* Status
* Download Reason
* ~~Failed-SP-List~~
* Activity TimeStamp (XML only)

Chapter 10, test case 6.2.13, update pre-req test case.

~~8.1.2.4.1.21 Activate porting to original ‘pending’ port of a single TN. – Partial Failure~~

8.1.2.4.1.20 Activate porting to original ‘pending’ port of a single TN. – Failure

Chapter 10, test case 6.4.1, update steps 1, 4.

1. Using the SOA, Block Holder Service Provider Personnel submit a ~~an Immediate~~ Disconnect Request to the NPAC SMS for a Subscription Versions of LNP Type set to ‘POOL’.  
   The request must specify the Subscription Version ID, or Subscription Version TN and also has future dated the subscriptionEffectiveReleaseDate and the subscriptionCustomerDisconnectDate.
2. The Current Service Provider SOA system issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS. The Current Service Provider SOA system issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS.
3. On the Block Holder SOA, verify that the Subscription Version was not deleted.
4. ~~On the LSMS, verify that the Subscription Version is part exists as part of the 1K Block.~~

Chapter 10, test case 6.5.1, update step 11.

1. On the Block Holder SOA, verify that a Subscription Version with ~~LNP Type ‘POOL’~~ status of ‘old’ exists with an empty Failed SP List.
2. On the LSMS, verify that the ~~Subscription Version~~ Number Pool Block exists ~~as part of the 1K Block~~.

Chapter 10, test case 6.5.2, modify step 6, update step 11.

Test Step 6:

When the subscriptionEffectiveReleaseDate arrives, the NPAC SMS does the following: 1) issues an M-CREATE Request for SV2 to itself and populates the default routing information from the numberPoolBlock object, setting the subsctiptionVersionStatus to ‘sending’; and , 2) NPAC SMS issues an M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX.

Expected Results for Test Step 6:

1. For SV2, the NPAC SMS receives the M-CREATE for SV2 and issues an M-CREATE Response for SV2 to itself.
2. For SV1, all LSMSs in the region that are accepting downloads for this NPA-NXX, issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. The LSMSs then process the delete request on the local system.

Test Step 11:

1. On the Block Holder SOA, verify that a Subscription Version with ~~LNP Type ‘POOL’~~ status of ‘old’ exists with an empty Failed SP List.
2. On the LSMS, verify that the ~~Subscription Version~~ Number Pool Block exists ~~as part of the 1K Block~~.

Chapter 10, test case 6.5.3, update step 2, step 6, update step 10, 11.

Step 2:

The NPAC SMS issues an M-SET Request for SV1 to itself to set the subscriptionCustomerDisconnectDate according to the disconnect action. The NPAC SMS also sets the subscriptionVersionStatus for SV1 to '~~sending~~disconnect-pending' and updates the subscriptionModifiedTimeStamp and the subscriptionEffectiveReleaseTimeStamp accordingly.

Test Step 6:

When the subscriptionEffectiveReleaseDate arrives, the NPAC SMS does the following: 1) issues an M-CREATE Request for SV2 to itself and populates the default routing information from the numberPoolBlock object, setting the subsctiptionVersionStatus to ‘sending’; and , 2) NPAC SMS issues an M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX.

Expected Results for Test Step 6:

For SV2, the NPAC SMS receives the M-CREATE for SV2 and issues an M-CREATE Response for SV2 to itself.

For SV1:

1. All LSMSs in the region that are accepting downloads for this NPA-NXX receives the Subscription Version Delete Request (M-DELETE Request) for SV1.

2. The NPAC SMS waits for response from all LSMSs accepting downloads for this NPA-NXX.

3. At least one of the LSMSs issues a Subscription Version Delete Response (M-DELETE Response) in CMIP (or DNLR – DownloadReply in XML) for SV1 back to the NPAC SMS.

4. The NPAC SMS retries any LSMS (SV1 to LSMSs) if they have not responded within a tunable amount of time.

5. At least one of the LSMSs in the region DO NOT respond with a successful message (all LSMSs have failed the requests).

Step 10: NPAC Personnel verify that ~~a Subscription Version~~ SV2 with a status of ‘partial failure’ and an empty Failed SP List ~~that reflects all Service Provider LSMSs that did not successfully respond to the request~~ exists on the NPAC SMS.

Step 11: On the Block Holder SOA, verify that a Subscription Version SV1 with a status of ‘old’ exists with a Failed SP List that reflects all Service Providers that did not successfully respond to the request.

Step 12: From the Block Holder SOA, verify that SV1 exists with a Failed SP List that reflects all Service Providers that did not successfully respond to the request on the NPAC SMS and the status of the Subscription Version is ‘old.’

Chapter 10, test case 6.5.6, update step 10, 11 and 12.

NPAC Personnel verify that SV2 with a status of ‘failed’ and an empty Failed SP List ~~that reflects all Service Providers that did not successfully respond to the request~~ exists on the NPAC SMS.

On the Block Holder SOA, verify that SV1 with a status of ‘active’ exists with a~~n empty~~ Failed SP List that reflects all Service Providers that did not successfully respond to the request exists on the NPAC SMS.

From the Block Holder SOA, verify that SV2 with LNP Type ‘POOL’ exists with an empty Failed SP List ~~that reflects all Service Providers that did not successfully respond to the request on the NPAC SMS~~.

Chapter 10, test case 8.6, update steps 4 and 5.

Verify that the following updates were not sent:

* + ~~1~~ At least 2 Number Pool Block create
  + ~~1~~ At least 2 Number Pool Block modify
  + ~~1~~ At least 2 Number Pool Block delete

Verify that the following updates were made:

* + ~~1~~ At least 2 Number Pool Block create
  + ~~1~~ At least 2 Number Pool Block modify
  + ~~1~~ At least 2 Number Pool Block delete

Chapter 10, test case 9.2, update pre-req 3.

Verify the ~~SOA~~ LSMS Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it) for the number pool block.

Chapter 10, test case 9.4, update pre-req 3 and 4.

Verify the ~~SOA~~ LSMS Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it) for the number pool block.

A discrepancy for some of the GTT data and, if supported by the service provider LSMS – a discrepancy for SV Type and/or Optional Data elements information between a Subscription Version of LNP Type, 'LSPP' and one of the LSMSs. The LSMS will be on the Failed SP List for this SV.

A discrepancy where one of the LSMSs does not have the respective Number Pool Block in their database. This Number Pool Block has the SOA ORIGINATION set to '~~FALSE~~TRUE' and the status currently is ‘partial failure’ with a Failed SP-List.

Chapter 11, test case 2.3, update steps 15 and 17 (one for NSP, one for OSP).

NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.

* If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) that contains the following attributes:
* start TN
* end TN
* start SVID
* end SVID
* subscriptionOldSP-DueDate
* subscriptionOldSP-Authorization
* subscriptionOldSP-AuthorizationTimeStamp
* subscriptionTimerType (if supported and the value changed as a result of the OldSP-Create Action)
* subscriptionBusinessType (if supported and the value changed as a result of the OldSP-Create Action)
* subscriptionOldSPMediumTimerIndicator (if supported)

If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN.

Chapter 11, test case 2.15, update steps 8, 9, and 10.

The subscription version exists with a status of ‘pending’ and the new due date for the ~~New~~ Old SP.

The subscription version exists with a status of ‘pending’ and the new due date for the ~~New~~ Old SP.

The subscription version exists with a status of ‘pending’ and the new due date for the ~~New~~ Old SP on the NPAC SMS.

Chapter 11, test case 2.20, update step 8.

NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID A) for the range of 5 TNs that contains the following attributes:

* ~~paired~~ list of ~~TNs and~~ SVIDs
* TN range
* subscriptionVersionStatus = ‘old’

Chapter 11, test case 2.23, update step 4.

NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current SP SOA for the range of 1000 TNs that contains the following attributes:

* ~~paired~~ list of ~~TNs and~~ SVIDs
* TN range
* subscriptionVersionStatus = ‘disconnect-pending’

Chapter 11, test case 2.26, update steps 4 and 6.

NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicator.

* If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) is sent for the range of 5000 TNs that contains the following attributes:
* ~~paired~~ list of ~~TNs and~~ SVIDs
* TN range
* subscriptionVersionStatus = ‘cancelled’

If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 5000 indicating the status is ‘cancelled’.

NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the range of 5000 TNs that contains the following attributes:

* ~~paired~~ list of ~~TNs and~~ SVIDs
* TN range
* subscriptionVersionStatus = ‘cancelled’

Chapter 12, test case 169-1, update step 7.

LSMS receives the resend requests from the NPAC SMS and issues a ‘duplicate object’ response to the NPAC SMS for:

* + ~~SV group a~~
  + SV group c
  + SV group d
  + SV group g

Chapter 14, test case 441-8, update test priority.

SOA ~~N/A~~ Conditional

LSMS ~~Optional~~ N/A

Chapter 17, test case NANC 372-Security-5, update Objective, Result 1, Result 2.

Test SOA’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (revoked Certificate).

Note: SOA will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to SOA.

SOA (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or SOA responds with a synchronous error (access\_denied).

SOA (acting as ~~server~~client) ~~does not accept NPAC’s certificate~~ terminates the connection request, or SOA responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-9, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (wrong CA – signed by CA other than NPAC).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-10, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (wrong SPID – different than what is listed in the CN of NPAC’s certificate).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-11, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (wrong Region ID – Region ID in certificate does not match what LSMS is expecting).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-12, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (wrong System Type – System Type in certificate is incorrectly specified as something other than NPAC).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-13, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (revoked certificate).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).

Chapter 17, test case NANC 372-Security-14, update Objective, Result 1, Result 2.

Test LSMS’s ability (both acting as server and acting as client) to reject an incoming connection request from NPAC, or not establish an outgoing connection with NPAC, when NPAC’s certificate is invalid (revoked Signature).

Note: LSMS will act as client when it attempts to send a message to NPAC, and it will act as server when NPAC attempts to send a message to LSMS.

LSMS (acting as server) ~~does not accept NPAC’s certificate~~ rejects the connection request, or LSMS responds with a synchronous error (access\_denied).

LSMS (acting as client) ~~does not accept NPAC’s certificate (access\_denied)~~ terminates the connection request, or LSMS responds with a synchronous error (access\_denied).