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

**Originator:** iconectiv

### Change Order Number: NANC 482

**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 7, test case Audit\_3, update test designation, No for XML SOA.

Chapter 7, test case 191/291-8, update test designation, NPAC only.

Chapter 8, intro section.

A general statement will be added regarding TN Range Notifications (one TN range notification if supported by SP , individual TN notifications if not supported by SP).

Chapter 8, test case 8.1.1.1.1.1, change LSMS to optional.

The service provider for which the NPA-NXX is to be added exists with associations established via the SOA and LSMS (optional) Interfaces.

Multiple service providers exist with associations established via the LSMS Interface (optional).

Chapter 8, test case 8.1.1.4.1.9, update text for purpose.

The Local SMS queries the NPAC for ~~its own~~ LRN data.

Chapter 8, test case 8.1.2.1.1.30, update text for Result 11 and 12. Similar changes to 8.1.2.1.1.31, 8.1.2.1.1.32, 8.1.2.1.1.33.

The Final Concurrence Window timer expires for the TN and a T2 Timer Expiration notification in CMIP (VNFN – SvNewSpFinalConcurrenceWindowExpirationNotification in XML) is sent to the New Service Provider’s SOA, if they support the notification according to their NPAC Customer No New SP Concurrence Notification Indicator in their service provider profile on the NPAC SMS.

The newSPFinal ConcurrenceWindowExpiration notification in CMIP (VNFN – SvNewSpFinalConcurrenceWindowExpirationNotification in XML) is sent to the Old Service Provider’s SOA, if they support the notification according to their NPAC Customer No New SP Concurrence Notification Indicator in their service provider profile on the NPAC SMS.. The subscription version will remain in ‘pending’ until the duration for the Pending SV Cancellation tunable on the NPAC SMS has passed.

Chapter 8, test case 8.1.2.1.1.6, update Expected Results section with a TN Range clarification.

If TN ranges are supported then only one notification will be sent/received.

A general statement will be added regarding TN Range Notifications.

Chapter 8, test case 8.1.2.1.1.37, update pre-req 1.

The NPA-NXX of the TN Range is owned by ~~another~~ the Old Service Provider ~~(not the Old Service Provider or the New Service Provider)~~.

Chapter 8, test case 8.1.2.2.1.1, update text for purpose, Result 1 and 3, and Note. Similar changes to 8.1.2.2.1.2, 8.1.2.2.1.3, 8.1.2.2.1.8, 8.1.2.2.1.9, 8.1.2.2.1.14, 8.1.2.2.1.15, 8.1.2.2.1.18, 8.1.2.2.1.19

Due Date (set it equal to the NPA-NXX ~~Live Timestamp~~Effective Date)

M-SET (or M-ACTION)

subscriptionOldSP-DueDate
~~subscriptionNewSP-CreationTimeStamp~~

Chapter 8, test case 8.1.2.2.1.22, update text for Purpose and pre-req 3.

New Service Provider issues a modify Status Change Cause Code for a range of TNs ~~for another service provider’s~~ of ‘pending’ ports.

~~Pending ports are for another Service Provider.~~

Chapter 8, test case 8.1.2.2.1.40, update text for pre-req 2.

Prerequisite 2: 'Active' subscription version exists for the TN for ~~another~~ Old Service Provider.

Chapter 8, test case 8.1.2.2.1.49, update text for status attribute value change notification to both OSP and NSP.

Add SAVC to OSP.

Add SAVC to NSP.

Chapter 8, test case 8.1.2.3.1.2, update text for Result 1. Similar changes to 8.1.2.3.1.3, 8.1.2.3.1.5, 8.1.2.3.1.6.

~~NPAC SMS sets the status, for the Subscription Version, to disconnect ‘pending’ upon receiving the disconnect request via the mechanized SOA interface.~~

Chapter 8, test case 8.1.2.3.1.7, delete Test Case.

Chapter 8, test case 8.1.2.3.1.10, update text for Result 14. Result 16 which was a strikethrough in the previous version of this document has been reinstated (i.e., no longer removed from the test case results). Similar changes to 8.1.2.3.1.13

~~NPAC SMS sets the Subscription Version status to old upon receiving a successful acknowledgment from one of the LSMSs.~~

Chapter 8, test case 8.1.2.3.1.11, update text for Result 3.

NPAC SMS sends a~~n~~ status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the current Service Provider setting the status to ‘disconnect pending’.

Chapter 8, test case 8.1.2.3.1.16, update text for Result 1.

~~Pending~~ Active port request is not modified

Chapter 8, test case 8.1.2.3.1.17, update text for Title and Purpose.

Title: Modify deferred disconnect for a range of TNs for other Service Provider. – Error

Pre-requisite: Status of the TNs must be "disconnect pending"

Chapter 8, test case 8.1.2.4.1.2, update text for Result 6 and 7. Similar changes to 8.1.2.4.1.5

All LSMSs do not create the object and~~/or~~ send an unsuccessful acknowledgment in CMIP (or DNLR – DownloadReply in XML) to the NPAC SMS.

NPAC SMS does not receive successful acknowledgment in CMIP (or DNLR – DownloadReply in XML) of successful object creation from all involved LSMSs.

Chapter 8, test case 8.1.2.4.1.5, update Result 11 and 13.

NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML), for each Subscription Version (or TN Range Notification), to the Old Service Provider setting the status to ‘failed’ and the list of failed LSMSs, upon activation failure.

Chapter 8, test case 8.1.2.4.1.8, update pre-req 1. Similar change to 8.1.2.4.1.17.

An inter-service provider port exists with no New Service Provider timestamp (no New SP Create has been sent) and the NPA-NXX associated with the port has an effective date greater than the activation request.

Chapter 8, test case 8.1.2.4.1.17, delete Test Case.

Chapter 8, test case 8.1.2.7.2.1, update text for Result 3.

The Service Provider ~~SOA~~ LSMS SV Query Indicator as described in steps 3i and 3ii apply only to CMIP.

Chapter 9, intro section.

A general statement will be added regarding TN Range Notifications (one TN range notification if supported by SP , individual TN notifications if not supported by SP).

Chapter 9, test case 75-25, update text for NPA-NXX Live Timestamp. Change it to NPA-NXX Effective Date. Similar changes to 75-26.

NPA-NXX ~~Live Timestamp~~Effective Date

Chapter 9, test case ILL 79-3, update text for pre-req 2. Similar changes to ILL79-5, pre-req 5; 8.4.

~~Issue a Scheduled Downtime Notification (NPAC SMS issues the lnpNPAC-SMS-Operational-Information notification).~~

Chapter 9, test case 23-1, update text for step 3.

The SOA receives the M-CREATE Error Response in CMIP indicating a **processingFailure** error ~~with a text message: “requesting SPID mismatch for M-CREATE subscriptionAudit:reqSpid=xxxx:acSpid=xxxx”~~ (or ACRR – AuditCreateReply in XML).

Chapter 9, test case 48-2, change LSMS to conditional. Similar changes to 48-3.

Chapter 9, test case 68-1, update text for Expected Result 1.

The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs:

* ~~The NPAC SMS logs an exception for each Subscription Version within the TN range specified for the Mass Update that has a status of either old, partial failure, sending, cancel or disconnect-pending .~~ No exceptions are logged.
* If WSMSC data is supported by the LSMS it will be used in the Mass Update.
* If Optional Data elements or SV Type are supported by the LSMS they will be used in the Mass Update.

Chapter 9, test case 68-3, update text for Expected Result 1.

The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. ~~For all objects that match the criteria, the following occurs:~~ No exceptions are logged.

* ~~The NPAC SMS logs an exception for each Subscription Version with the LRN and Service Provider ID specified for the Mass Update that has a status of either old, partial failure, sending, cancel or disconnect-pending.~~

Chapter 9, test case 139-8, update text for Objective. Similar changes to 139-15.

SOA – Service Provider Personnel delete an NPA-NXX on the NPAC SMS, that belongs to another Service Provider. The SOA and LSMS ~~(optional)~~ are connected to the NPAC SMS. The SOA Network Data Download Association Function, LSMS Network and Subscription Data Download Association Functions are set to ‘ON’. – Error

Chapter 9, test case 201-1, update text for pre-req 1. Similar changes to all 201 test cases.

~~Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile.~~

Chapter 9, test case 201-17, update text for steps 4. Delete step 5.

The NPAC SMS issues an M-EVENT-REPORT in CMIP (or V~~NIN~~CAN – Sv~~NewSpInitialCreateWindowExpiration~~CancelAckNotification in XML) to the New Service Provider SOA indicating the Initial Cancellation Window has expired.

~~Wait for the Short Final Cancellation Window to expire.~~

~~The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the New Service Provider SOA indicating the Final Cancellation Window has expired.~~

Chapter 9, test case 203-8, update text for all test steps. Remove existing four steps, and replace with similar 11 steps as 203-7 (so that it is a success test case instead of an error test case). WSMSC is not required.

Chapter 9, test case 203-32, update text for Expected Result 1.

The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs:

* ~~The NPAC SMS creates a Subscription Version with a new Subscription Version ID and a status of ‘old’ for each of the active Subscription Versions that are being modified as a result of the Mass Update request.~~
* The NPAC SMS logs an exception for each Subscription Version with the WSMSC DPC values specified for the Mass Update that has a status of ~~either old,~~ partial failure, sending, ~~canceled~~ or disconnect pending.

Chapter 10, intro section.

A general statement will be added regarding TN Range Notifications (one TN range notification if supported by SP , individual TN notifications if not supported by SP).

Chapter 10, test case 6.2.3, update text for pre-req 1.

Verify that the NPA-NXX-X (Block Holder different than Code Holder) exists for the TN to be used to create a ‘pending’ Intra-Service Provider Subscription Version.

Chapter 10, test case 6.2.10, update text for pre-req 1.

Verify that the NPA-NXX-X exists for the TN to be used to create a ‘pending’ ~~Inter~~Intra-Service Provider Subscription Version.

Chapter 10, test case 6.2.13, update text for Expected Results 10, 11, 12.

NPAC Personnel verify that the ~~Subscription Version~~SV3 with LNP Type set to ‘POOL’ and status set to ‘active’ exists on the NPAC SMS.

1. On the SOA, verify that SV2 exists with an empty Failed SP List.

~~2. Verify that SV2 does not exist, but that the respective Number Pool Block does exist.~~

Verify that SV~~2~~3 exists with an LNP Type set to ‘POOL’, a status of ‘active’ and an empty Failed SP List on the NPAC SMS.

Chapter 10, test case 6.2.15, update text for test designation, R for SOA, N/A for LSMS (same change in Chapter 7); update text for Expected Results 8, 9, 10.

1. On the SOA, verify that the Subscription Version exists with ~~an empty Failed SP List~~ a status of ‘pending’.

~~2. On the LSMS, verify that the Subscription Version exists with a status of ‘active’.~~

Verify that the Subscription Version exists with a status of ‘~~active~~pending’ ~~and an empty Failed SP List~~ on the NPAC SMS.

~~Using the Audit Results Log verify that no updates were issued as a result of performing this audit. If any updates were sent the LSMS fails this test case.~~

Chapter 10, test case 6.5.6, update text for Expected Results 10, 11, 12.

NPAC Personnel verify that ~~a Subscription Version~~SV2 with a status of ‘failed’ and a Failed SP List that reflects all Service Providers ~~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 ~~a Subscription Version~~SV1 with a status of ‘~~partial failure~~active’ exists with a~~n empty~~ Failed SP List ~~that reflects all Service Providers that did not successfully respond to the request~~.

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

Chapter 10, test case 8.4, update text for pre-req 3.

~~Issue a Scheduled Downtime Notification.~~

Chapter 10, test case 9.2. Update test step numbers, update audit delete/SAVC in same row. System involved, remove reference to non-EDR.

Row ~~5.~~4

Row ~~7.~~5, ~~The NPAC SMS issues an M-DELETE Request (not available over the XML interface) for the subscriptionAudit object to itself.~~The NPAC SMS issues an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange (or PATN – NpbAttributeValueChangeNotification in XML) for the Number Pool Block, sets the Number Pool Block status to 'active', and updates the subscriptionFailedSP-List to exclude the Service Provider LSMSs that were corrected to the Block Holder SOA.

The Block Holder SOA receives the M-EVENT-REPORT for the Number Pool Block, from the NPAC SMS and issues an M-EVENT-REPORT Confirmation (~~not available over the XML interface~~or NOTR – NotificationReply in XML) back to the NPAC SMS.

Row ~~8.~~6

Chapter 10, test case 9.3. Delete step 5.

~~The NPAC SMS issues an M-DELETE Request for the subscriptionAudit object to itself.~~

Chapter 10, test case 9.4, update text for step 4, expected results. Add text for the missing bullet point.

A discrepancy where one of the LSMSs has a Block that has been de-pooled.

Chapter 11, test case 2.6, update text to step 5. Add step for LSMS to send back range Create notification to the NPAC.

NPAC SMS issues two M-~~CREATE~~ACTION Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.

One M-~~CREATE~~ACTION Request is sent for the first 500 TNs with one set of DPC/SSN data and another M-~~CREATE~~ACTION Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.

1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-~~CREATE~~ACTION Requests in CMIP (or SVCD – SvCreateDownload in XML) and verify that the requests are valid.
2. All LSMSs in the region issue respective M-~~CREATE~~ACTION Responses in CMIP (or DNLR – DownloadReply in XML) to the NPAC SMS. One for the first 500 TNs and one set of DPC/SSN data and one for the second set of 500 TNs and another set of DPC/SSN data.

Add a new row in between 5 and 6 for the LSMS to send back a TN range notification to the NPAC.

SP

All LSMSs in the region issue an M-EVENT-REPORT subscriptionVersionLocalSMS-ActionResults notification.

NPAC

The NPAC SMS responds to each of the M-EVENT-REPORT subscriptionVersionLocalSMS-ActionResults as it receives these notifications with an M-EVENT-REPORT Confirmation.

Chapter 11, test case 2.7, update text to step 5. Add step for LSMS to send back range Create notification to the NPAC.

M-~~CREATE~~ACTION

The Local SMS sends to the NPAC SMS the M-EVENT-REPORT specifying the success or failure of the creates. For the XML interface, N/A.

Chapter 11, test case 2.41, update text to remove LSMS designation of N/A. The LSMS is involved in downloads. Similar change to 2.42.

Chapter 11, test case 3.4, update text to indicate initial in step 12 and final expirations in steps 15 and 17.

Once the Service Provider Initial Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.

Once the Service Provider Final Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP.

Chapter 11, test case 4.5, update text in Purpose to indicate “before midnight”. Re-worded based on discussion during May 2016 LNPA WG meeting.

SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is ~~the current date in local time but the next day in GMT~~before 7:00PM EST. – Error

Chapter 11, test case 6.3, update text in step 1 to indicate Old SP.

Using the SOA, ~~New~~Old SP Personnel perform the following activities in the order listed and as quickly as possible and submit to the NPAC SMS:

Chapter 12, test case 169-2, update text for pre-reqs. Similar changes to 169-1, 169-3 and 169-4.

First Create and then Activate 100 Intra-Service Provider Subscription Versions using an NPA-NXX that is open for porting and for which an NPA-NXX filter exists for the Service Provider under test. This Service Provider is neither the Old nor New Service Provider for these Subscription Versions. Use simulators that are associated with the NPAC and are receiving downloads for this NPA-NXX. Verify that the Subscription Versions have a status of ‘Active’. (SV group b \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) Remove the filter for this NPA-NXX.

Activate a Number Pool Block for an NPA-NXX for which this Service Provider under test is accepting downloads, but it is another Service Provider’s Number Pool Block. Use simulators that are associated with the NPAC and are receiving downloads for this NPA-NXX. Verify that the ~~Pooled Subscription Versions have~~ Number Pool Block has a status of ‘Partial-Fail’. ~~(SV group e\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)~~ (NPB e\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Put simulated SPID LSMS in recovery. Use at least one simulator that is associated with the NPAC and is accepting downloads for this NPA-NXX. Verify that the Service Provider under test is accepting downloads for this NPA-NXX. Activate an uncontaminated Number Pool Block on behalf of another Service Provider. Verify that the ~~Pooled SVs and~~ NPB have a status of ‘Sending’. ~~(SV group f\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_),~~ (NPB f\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) During the test case retry timers will exhaust, and then the status of the ~~Pooled SVs and~~ NPB should be ‘Partial-Fail’.

Chapter 12, test case 187-4, update text for pre-req 1. Similar changes to 187-5.

~~Issue a Scheduled Downtime Notification.~~

Chapter 12, test case 191/291-9, update text for pre-reqs.

Verify that non-pooled TNs within the Mass Update TN range exist.

Chapter 12, test case 322-2, update text for steps 3, 5, 6, and 7.

~~Pooled SVs~~

Chapter 12, test case 354-2, update text for pre-req 2 and expected results 3.

~~Modify LRN 1a (above), note the modified attributes.~~

Create an NPA-NXX-X respective to NPA-NXX 1b on behalf of the Service Provider under test (NPA-NXX-X 1b \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).

Modify NPA-NXX-X respective to 1b on behalf of the Service Provider under test, note the modified attributes.

~~Modify LRN 1a (above) again, note the modified attributes.~~

NPA-NXX 1b exists on the SOA~~, this was not part of the BDD~~.

NPA-NXX 1b exists on the LSMS~~, this was not part of the BDD~~.

Chapter 13, test case 348-1, update text for pre-req 1. Similar changes to 348-2.

~~lnpNPAC-SMS-Operational-Information in CMIP (not available over the XML interface)~~

Chapter 13, test case 394-1, update text for Live Timestamp. Similar changes to 394-2, and 394-3.

NPA-NXX ~~Live TimeStamp~~Effective Date

Chapter 13, test case 138-1, update text for step 2.

~~Wait for the Final Cancellation Window to expire.~~

~~The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VCAN – SvCancelAckNotification in XML) to the New Service Provider SOA indicating the Final Cancellation Window has expired.~~

Chapter 13, test case 400-1, update text for reference in chapter 7 matrix to indicate N/A for LSMS.

Chapter 15, test case 355-3, update text for application level errors to indicate non-action. Similar changes to 355-4.

If the Service Provider SOA supports Non-Action Application Level Errors, the NPAC SMS issues an M-SET response **processing\_failure** along with an error code in CMIP (not available over the XML interface).

If the Service Provider SOA does not support Non-Action Application Level Errors the NPAC SMS issues an M-SET response indicating **access\_denied** in CMIP (not available over the XML interface).

The respective NPA-NXX is not updated.

Chapter 16, test case Assoc Data-11, update text to indicate conditional.

Chapter 16, test case Assoc Data-12, update text to indicate N/A for SOA.

Chapter 16, test case Assoc Data-14, update text to indicate N/A for LSMS.

Chapter 16, test case Assoc Mgmt-1, update text to indicate conditional. Same change in Assoc Mgmt-3.

NPAC SMS issues an association ~~response~~ abort request (~~AARE~~ABRT) with errorCode = retry-same-host.

Chapter 16, test case Assoc Mgmt-9, update text to indicate conditional.