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

**Originator:** iconectiv

### Change Order Number: NANC 465

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

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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| DOC | FRS | IIS |
| N | N |

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

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| --- | --- | --- | --- | --- | --- |
| 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 8.1.1.1.1.5, update text for NPA-NXX Effective Date.

RESULT-2: The NPAC SMS determines that the effective date for the NPA-NXX is invalid and ~~exists for the service provider and~~ fails the request.

Chapter 8, test case 8.1.1.1.2.5, update text for NPA-NXX Effective Date.

RESULT-2: The NPAC SMS determines that the effective date for the NPA-NXX is invalid and ~~exists for the service provider and~~ fails the request.

Chapter 8, test case 8.1.1.1.2.10, update text for LRN data.

RESULT-2: The NPAC SMS determines that the LRN contains invalid data ~~exists for the service provider~~ and fails the request.

Chapter 8, test case 8.1.1.4.1.2, update text for other test case reference.

Test Case procedures incorporated into test case 357-2 from Release 3.3.

Chapter 8, test case 8.1.1.4.1.3, update text for other test case reference.

Test Case procedures incorporated into test case 357-1 from Release 3.3.

Chapter 8, test case 8.1.2.1.1.5, update text for LRN.

~~Prerequisite 4: The LRN is a valid LRN value for a switch owned by the New Service Provider.~~

Chapter 8, test case 8.1.2.1.1.6, update text for LRN.

~~Prerequisite 4: The LRN is a valid LRN value for a switch owned by the New Service Provider.~~

Chapter 8, test case 8.1.2.1.1.8, update text for prerequisites.

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

A first port notification has previously been sent, but no ~~One or more~~ ported TNs exist for the NPA-NXX.

Chapter 8, test case 8.1.2.1.1.30, update text for list of attributes in Result-4.

subscriptionVersionID

subscriptionTN

subscriptionOldSP

subscriptionNewCurrentSP

subscription~~New~~OldSP-~~Creation~~AuthorizationTimeStamp

subscriptionVersionStatus

subscription~~New~~OldSP-DueDate

subscriptionOldSP-Authorization

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, 8.1.2.1.1.34, 8.1.2.1.1.36, 8.1.2.1.1.37, and 8.1.2.1.1.42, update text for list of attributes in Result-9/10.

The new service provider has up to the “Service Provider Final Concurrence Window” to respond to the request. If the new service provider SOA responds with a valid M-ACTION ~~or M-SET~~ processing resumes as a successful create.

Chapter 8, test case 8.1.2.1.1.45, update Purpose text for cause code.

Attempt to create an inter-service provider ‘pending’ port consisting of a TN Range with mandatory data elements via the SOA Mechanized Interface. The authorization flag is equal to FALSE and the cause code value is ~~not 0~~set to an unsupported non-zero value.

Chapter 8, test case 8.1.2.4.1.23, update text for failed list and PTO SV.

Result-10 NPAC SMS sends a status attribute value change message in CMIP (or VATN – SvAttributeValueChangeNotification in XML), for each Subscription Version, to the old Service Provider setting the status to ‘active’ ~~and the list of failed LSMSs,~~ upon disconnect failure.

Result-11 Old Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Result-12 NPAC SMS sends an 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 ‘~~active~~failed’ and the list of failed LSMSs, upon disconnect failure.

Result-13 New Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Result-14 NPAC SMS sends an 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 ‘failed’ and the list of failed LSMSs, upon disconnect failure.

Result-15 Old Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Similar test case updates will be done to 8.1.2.4.1.19 – 24.

Chapter 8, test case 8.1.2.1.1.10 (New SP create, LSPP) and 8.1.2.1.1.39 (Old SP create), update text for describing NPA-NXX Effective Date.

Test case 8.1.2.1.1.10 prerequisites will be updated in yellow below.

The NPA-NXX of the TN range ~~does not~~ exists in the NPAC SMS with a future dated effective date.

The due date value is a date prior to the NPA-NXX ~~Live Timestamp~~effective date.

Test case 8.1.2.1.1.39 prerequisites will be updated in yellow below.

The NPA-NXX of the TN Range exists in the NPAC SMS with a future dated effective date. ~~is owned by another service provider (not the Old Service Provider or the New Service Provider)~~.

The due date value is a date prior to the NPA-NXX ~~Live Timestamp~~effective date.

Chapter 8, test case 8.1.2.5.1.6, 8.1.2.5.1.7, and 8.1.2.5.1.9, swap Result-9 and Result-10.

Chapter 8, test case 8.1.2.5.1.9, update attribute list in Result-16.

NPAC SMS updates the ~~subscriptionOldSPCancellationTimeStamp,~~ subscriptionModifiedTimeStamp, subscriptionCancellationTimeStamp, and the subscriptionVersionStatus to ‘canceled’.

Chapter 9, test case 48-11, update SPID value from “C” to “A”.

Prerequisite #1, Verify that there is an ‘Active’ Subscription Version for SPID ‘B’ in which SPID ‘~~C~~A’ is the original Service Provider.

Chapter 9, test case 48-17, update SPID value from “B” to “C”, and from “C” to “B”.

Prerequisite:

Verify that there is an ‘Active’ Subscription Version for a TN that is part of a Number Pool Block , SPID ‘~~B~~C’ is the Current Service Provider and SPID ‘~~C~~B’ is the Block Holder Service Provider.

Test Step 1:

Using a SOA system, SPID ‘B’ Service Provider Personnel create an Inter-Service Provider, Port-To-Original Subscription Version for a TN that is part of a Number Pool Block, where they are the New Service Provider and ‘Associated’ SPID ‘C’ is the Old Service Provider ~~(Block Holder Service Provider)~~ and submit the request to the NPAC SMS.

Chapter 10, test case 4.2.1, update text to remove “old” number pool block.

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| 7. | NPAC | NPAC Personnel perform a query for the Number Pool Block and the 1K Block of Subscription Versions with LNP Type set to ‘POOL’ as well as ‘LISP’ and ‘LSPP’. | NPAC | 1. Verify the Number Pool Block was successfully modified and the status is set to ‘active’ with an empty Failed SP List. 2. Verify the Subscription Versions with LNP Type set to ‘POOL’ in the 1K Block were successfully modified and their status is set to ‘active’ with an empty Failed SP List. 3. Verify the Subscription Versions within the 1K Block with LNP Type set to ‘LISP’ and ‘LSPP’ have not been modified on any LSMS. 4. ~~Verify the NPAC SMS generated a Number Pool Block with a unique ID, all attributes prior to modification, and the status is set to ‘old’ with an empty Failed SP List.~~ |

Chapter 11, test cases 5.1 through 5.4, update text for modification to business day tunables.

Objective:

NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP does not receive an OldSP-Concurrence Request notification. – Success

Steps 14 and 15.

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| 14. | NPAC | NPAC SMS does not issue a notification ~~issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest notification in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML)~~ to the Old SP SOA. | SP | Old SP SOA does not receive a notification ~~receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML)~~ from the NPAC SMS. |
| 15. | SP | Old SP SOA does not issue a notification reply ~~issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML)~~ to the NPAC SMS. | NPAC | NPAC SMS does not receive a notification reply ~~receives the M-EVENT-REPROT Confirmation in CMIP (or NOTR – NotificationReply in XML)~~ from the Old SP SOA. |

Chapter 11, test case 2.17, update text to remove reference to 500 TNs in step 5, expected results 2.

All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. ~~One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs.~~

Chapter 16, test case Assoc Mgmt-2, update Objective text from “same NPAC” to “backup NPAC”.

Objective:

To verify that the SOA/LSMS retries the ~~same~~backup NPAC SMS address after the initial association request is rejected with reason as RETRY-OTHER-HOST. (ITP name: AMG.SOA.ASSOC.OTHER and AMG.LSMS.ASSOC.OTHER)

Chapter 16, test case Assoc Mgmt-4, update text to include the word “bind”.

Step 4.

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| 44. | SP | SOA/LSMS aborts the association and establishes a new association. | NPAC | NPAC SMS responds to the bind request. |

Chapter 17, test cases in section 17.4, NANC 372 – XML Keepalive Test Cases, and section 17.5, NANC 372 – HTTPS Test Cases, updated NANC 465, to change from “Connection time-out” or “Inactivity Timeout Period”, to “HTTPS Keep-Alive Timeframe.”

~~Connection time-out~~HTTPS Keep-Alive Timeframe value is set to 2 minutes on NPAC side.

The tunable value for the Keep Alive Frequency is set to a lower value than the tunable value for the ~~Inactivity Timeout Period~~HTTPS Keep-Alive Timeframe, such that the same connection is maintained.

Chapter 17, test cases in section 17.4, NANC 372 – XML Keepalive Test Cases, updated NANC 465, to change from “Keep Alive Frequency”, to “XML Application Heartbeat Interval.”

SOA sends Keep Alive to NPAC only after “~~keep alive message frequency~~XML Application Heartbeat Interval” time has been reached with no other message activity in SOA-to-NPAC direction. NPAC successfully processes and synchronously acknowledges (SyncAck), and sends asynchronous reply to Keep-Alive.

The tunable for the ~~Keep Alive Frequency~~XML Application Heartbeat Interval is in Minutes and needs to be set to a value that triggers Keep Alives at frequent intervals for testing purposes.

The tunable value for the ~~Keep Alive Frequency~~XML Application Heartbeat Interval is set to a lower value than the tunable value for the Inactivity Timeout Period, such that the same connection is maintained.

SOA does not send any messages to NPAC for more than “~~Keep Alive message frequency~~XML Application Heartbeat Interval”.