**Origination Date:** 02/14/18

**Originator:** iconectiv

### Change Order Number: NANC 517

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

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

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| --- | --- | --- | --- | --- | --- |
| 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 NANC 372 – XML Ordering 3: test case involves XML LSMS, so delete XML SOA involvement in the TC and add XML LSMS involvement.

Chapter 7 – for any Test Cases that are being deleted or removed as a result of sunsetting certain features as described further in this change order, update the chapter 7 definition to indicate the Test Case has been deleted.

In Chapter 8, with sunsetting the ability for SOA or LSMS to modify Service Provider Contact Data and CMIP network interface parameters, certain chapter 8 test cases are being removed.

|  |
| --- |
| 8.1.1.2.1.2 Modify an existing service provider’s profile by adding contact data via the SOA Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.1.3 Modify an existing service provider’s profile by deleting non-required contact data via the SOA Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.1.4 Modify an existing service provider’s profile by modifying network address data via the SOA Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.1.5 Modify an existing service provider’s profile with invalid contact data via the SOA Mechanized Interface. – Error**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.2.2 Modify an existing service provider’s profile by adding contact data via the LSMS Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.2.3 Modify an existing service provider’s profile by deleting non-required contact data via the LSMS Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.2.4 Modify an existing service provider’s profile by modifying network address data via the LSMS Mechanized Interface. – Success**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.2.2.5 Modify an existing service provider’s profile with invalid contact data via the LSMS Mechanized Interface. – Error**Note:** Per IIS3\_4\_1aPart2 scenario B.3.5, this flow is not available over the XML interface. |

Test case was removed with implementation of NANC 461. Note, if a SOA or LSMS issues a modify request to add contact data via the CMIP mechanized interface, NPAC will return an error.

(delete the remainder of the test case).

Chapters 8, 9, 10, and 11 had an introductory paragraph that had a statement concerning single TN and TN range notifications – this statement will be modified to indicate only TN range notifications are supported with the Sunset of single TN notifications in NANC 460:

For TN Range Notification functionality, only TN range notifications will be sent since with NANC 460, individual TN notifications were sunset.

Chapter 8, test case 8.1.1.3.1.7 and 8.1.1.3.2.3, remove from test plan with NANC 454 implementation:

|  |
| --- |
| 8.1.1.3.1.7 Delete NPA-NXX Filter via SOA Mechanized Interface. – Success **Note:** Per IIS3\_4\_1aPart2 scenario B.6.5, this flow is not available over the XML interface. |

Test Case was removed with implementation of NANC 454

(delete the remainder of the test case).

|  |
| --- |
| 8.1.1.3.2.3 Delete NPA-NXX Filter via LSMS Mechanized Interface. – Success **Note:** Per IIS3\_4\_1aPart2 scenario B.6.5, this flow is not available over the XML interface. |

Test Case was removed with implementation of NANC 454

(delete the remainder of the test case).

Chapter 8, test case 8.1.2.4.1.13, update Test Result 14 and 15:

1. 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 Versions setting the status to ‘old’, upon receiving successful acknowledgment from all involved LSMSs.
2. ~~Old~~New Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Chapter 8, test case 8.1.2.4.1.19, update Test Result 14 and 15:

1. 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 Versions setting the status to ‘old’, upon receiving successful acknowledgment from all involved LSMSs.
2. ~~Old~~New Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Chapter 8, test case 8.1.2.4.1.22, update Test Result 14 and 15:

1. 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 Versions setting the status to ‘old’, upon receiving successful acknowledgment from all involved LSMSs.
2. ~~Old~~New Service Provider acknowledges the status attribute value change message in CMIP (or NOTR – NotificationReply in XML).

Chapter 8, test case 8.5.1, update Test Result 3:

RESULT 3: Service Provider systems successfully submit SV create, modify and disconnect requests prior to PDP start, during PDP and after PDP ends.

- When SV requests are made prior to PDP start, requests with the New NPA-NXX will be rejected when the due date for the request is prior to PDP start, and requests for the Old NPA-NXX are accepted/processed by the NPAC SMS.

- When SV requests are made during PDP start, requests with the New and/or Old NPA-NXX will be accepted/processed by the NPAC SMS. The response from the NPAC SMS will *only* contain the New NPA-NXX.

- When SV requests are made after PDP ends, requests with the Old NPA-NXX will be rejected by the NPAC SMS. Requests using the New NPA-NXX are accepted/processed by the NPAC SMS.

Chapter 8, test case 8.5.4, update Test Result 3:

1. For NPA-NXXs added to an NPA Split during PDP, the New NPA-NXX cannot exist on the NPAC SMS. The NPAC SMS will automatically create the New NPA-NXX with an Effective Date ~~of the current date/time~~no later than the next day and broadcast in CMIP (or DXCD – NpaNxxDxCreateDownload) the create to all SOAs/LSMSs that support network data downloads and are accepting broadcasts for the NPA-NXX.

Chapter 8, with the sunsetting of single TN notification formats, only TN range notification formats are being used. This affects many test cases in chapter 8. An example of the test case impacts for 1 test case is given below, then a list of test cases that have similar impacts are given.

Chapter 8, Test Case 8.1.2.1.1.2, update Expected Results 4, 6, 9, 11 and 12

|  |
| --- |
| 8.1.2.1.1.2 Create 1st time inter-service provider ‘pending’ port of a TN Range via the SOA Mechanized Interface. – Success |
| Purpose: | Create an inter-service provider ‘pending’ port consisting of a TN Range and mandatory/Optional Data elements via the SOA Mechanized Interface.  |
| Requirements: | R5-15.1, R5-20.5, R5-21.6, R5-21.7, R5-18.1, R5-18.3, R518-4, R5-18.5, R5-18.6, R5-18.7, R5-21.1, R5-22, RR5-3 |
| Prerequisites: | The NPA-NXX of the TN Range is owned by the Old Service Provider.The TN Range involves the first ported TN for the NPA-NXX.The LRN is a valid LRN value for a switch owned by the New Service Provider.The new SP due date is greater than or equal to the NPA-NXX Live Timestamp and set to a future date. The Old Service Provider does not issue an oldSP-Concurrence action to concur with the ‘pending’ port. |
| Expected Results: | 1. A subscription version with a status of ‘pending’ is created on the NPAC SMS for each TN in the TN Range (per request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New Service Provider’s SOA (originating SOA).
2. The NPAC SMS issues a successful action reply in CMIP (or NCRR – NewSpCreateReply in XML) to the New Service Provider’s SOA (originating SOA).
3. The successful action reply in CMIP (or NCRR – NewSpCreateReply in XML) is received by the New Service Provider’s SOA.
4. The NPAC SMS issues a subscriptionVersionRangeObjectCreation notification in CMIP (VOCN – SvObjectCreationNotification in XML) for the TN Range containing:

subscriptionVersionID rangesubscriptionTN rangesubscriptionOldSPsubscriptionNewCurrentSPsubscriptionNewSP-CreationTimeStampsubscriptionVersionStatussubscriptionNewSP-DueDatesubscriptionTimerType – if supported by the Service Provider SOAsubscriptionBusinessType – if supported by the Service Provider SOAsubscriptionNewSPMediumTimerIndicator – if supported by the Service Provider SOA1. The Old Service Provider’s SOA receives the subscriptionVersionRangeObjectCreation notification in CMIP (VOCN – SvObjectCreationNotification in XML) and issues a confirmed reply in CMIP (NOTR – NotificationReply in XML) to the NPAC SMS.
2. The New Service Provider’s SOA receives the subscriptionVersionRangeObjectCreation notification and issues a confirmed reply in CMIP (NOTR – NotificationReply in XML) to the NPAC SMS.
3. The New NPA-NXX notification in CMIP (NNXN – NewNpaNxxNotification) is sent to all SOA and LSMSs.
4. The Initial Concurrence Window timer is set by the NPAC SMS for each TN in the TN Range.
5. The Initial Concurrence Window timer expires for each TN and a subscriptionVersionRangeOldSP-ConcurrenceRequest notification in CMIP (VOIN – SvOldSpConcurrenceNotification in XML) is sent to the Old Service Provider’s SOA for the TN Range.
6. The Final Concurrence Window timer is set by the NPAC SMS for each TN in the TN Range.
7. The Final Concurrence Window timer expires for each TN in the TN Range –and a subscriptionVersionRangeOldSPFinal ConcurrenceWindowExpiration notification in CMIP (VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) is sent to the Old Service Provider’s SOA).
8. If supported, the subscriptionVersionRangeOldSPFinal ConcurrenceWindowExpiration notification in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) is sent to the New Service Provider’s SOA.
 |
| Actual Results: |  |

The following test cases in Chapter 8 have similar changes as identified above for test case 8.1.2.1.1.2. The list below identifies the Test Case and the test steps that have impacts:

* Test Case 8.1.2.1.1.5, Expected Results 4, 5, 6, 8, 10 and 11
* Test Case 8.1.2.1.1.6, Expected Results 4, 5, 6, 8, 10 and 11
* Test Case 8.1.2.1.1.7, Expected Results 4, 5, 6, 8, 10 and 11
* Test Case 8.1.2.1.1.8, Expected Results 4, 5, 6, 8, 10 and 11
* Test Case 8.1.2.1.1.16, Expected Results 4 and 5
* Test Case 8.1.2.1.1.17, Expected Results 4 and 5
* Test Case 8.1.2.1.1.18, Expected Results 4 and 5
* Test Case 8.1.2.1.1.19, Expected Results 4 and 5
* Test Case 8.1.2.1.1.22, Expected Results 4 and 5
* Test Case 8.1.2.1.1.30, Expected Results 4, 5, 6, 9, 11 and 12
* Test Case 8.1.2.1.1.31, Expected Results 4, 5, 6, 9, 11 and 12
* Test Case 8.1.2.1.1.32, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.1.1.33, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.1.1.34, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.1.1.36, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.1.1.37, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.1.1.42, Expected Results 4, 5, 6, 8, 11 and 12
* Test Case 8.1.2.2.1.1, Expected Results 4 and 6
* Test Case 8.1.2.2.1.3, Expected Results 4 and 6
* Test Case 8.1.2.2.1.8, Expected Results 4 and 6
* Test Case 8.1.2.2.1.14, Expected Results 4 and 6
* Test Case 8.1.2.2.1.17, Expected Results 2, 4, 6 and 8
* Test Case 8.1.2.2.1.18, Expected Results 4 and 6
* Test Case 8.1.2.2.1.49, Expected Results 4, 6, 8 and 10
* Test Case 8.1.2.3.1.2, Expected Results 12 and 13
* Test Case 8.1.2.3.1.3, Expected Results 12 and 13
* Test Case 8.1.2.3.1.5, Expected Results 3, 12 and 13
* Test Case 8.1.2.3.1.6, Expected Results 3, 12 and 13
* Test Case 8.1.2.3.1.10, Expected Results 3, 4, 16 and 17
* Test Case 8.1.2.3.1.11, Expected Results 3, 4, 16 and 17
* Test Case 8.1.2.3.1.12, Expected Results 3, 4, 16 and 17
* Test Case 8.1.2.3.1.13, Expected Results 3, 4, 6, 16 and 17
* Test Case 8.1.2.3.1.14, Expected Results 3, 4, 6, 16 and 17
* Test Case 8.1.2.3.1.15, Expected Results 3, 4, 6, 16 and 17
* Test Case 8.1.2.4.1.2, Expected Results 10, 11, 12 and 13
* Test Case 8.1.2.4.1.3, Expected Results 10, 11, 12 and 13
* Test Case 8.1.2.4.1.5, Expected Results 11, 12, 13 and 14
* Test Case 8.1.2.4.1.6, Expected Results 11, 12, 13 and 14
* Test Case 8.1.2.4.1.10, Expected Results 11, 12, 13 and 14
* Test Case 8.1.2.4.1.11, Expected Results 10 and 11
* Test Case 8.1.2.4.1.12, Expected Results 10 and 11
* Test Case 8.1.2.4.1.13, Expected Results 12, 13, 14 and 15
* Test Case 8.1.2.4.1.14, Expected Results 11 and 12
* Test Case 8.1.2.4.1.15, Expected Results 11 and 12
* Test Case 8.1.2.4.1.19, Expected Results 11, 12, 13, 14, 15 and 16
* Test Case 8.1.2.4.1.20, Expected Results 10, 11, 12, 13, 14 and 15
* Test Case 8.1.2.4.1.21, Expected Results 10, 11, 12, 13, 14 and 15
* Test Case 8.1.2.4.1.22, Expected Results 11, 12, 13, 14, 15 and 16
* Test Case 8.1.2.4.1.23, Expected Results 10, 11, 12, 13, 14 and 15
* Test Case 8.1.2.4.1.24, Expected Results 10, 11, 12, 13, 14 and 15
* Test Case 8.1.2.5.1.2, Expected Results 5 and 7
* Test Case 8.1.2.5.1.6, Pre-req (Old SP issued Cancel, remove “disconnect-pending” as possible current status since SV goes to Cancel Pending), Expected Results 5 and 7
* Test Case 8.1.2.5.1.7, Pre-req (New SP issued Cancel, remove “disconnect-pending” as possible current status since SV goes to Cancel Pending), Expected Results 5 and 7
* Test Case 8.1.2.5.1.9, Pre-req (remove “disconnect-pending” as possible current status since SV goes to Cancel Pending), Expected Results 5, 7, 13 (change XML message from VOIN (create concurrence) to VCAN (cancel acknowledgement) and 17 (XML message does not include conflict timestamp – SV is going to canceled status).
* Test Case 8.1.2.5.1.10, Expected Results 5

Chapter 9, test case NANC 68-1, update expected result 7:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 7. | SP – conditional | SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions in the range that did not have exceptions to verify that the Subscription Version fields selected to be mass updated were modified. | SP | The Subscription Versions were modified correctly.Any subscription versions with a status of Pending, Conflict, ~~Cancel-Pending~~ or Active that meet the Mass Update criteria are updated as a result of a Mass Update. |

Chapter 9, test case NANC 68-3, update expected result 7:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 7. | SP – conditional | SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions in the range that did not have exceptions to verify that the Subscription Version fields selected to be mass updated were modified. | SP | The Subscription Versions were modified correctly.Any subscription versions with a status of Pending, Conflict, ~~Cancel-Pending~~ or Active that meet the Mass Update criteria are updated as a result of a Mass Update. |

Chapter 9, with the sunsetting of single TN notification formats, only TN range notification formats are being used. This affects many test cases in chapter 9. An example of the test case impacts for 1 test case is given below, then a list of test cases that have similar impacts are given.

Chapter 9, Test Case ILL 75-25, update expected results 3 and 4:

|  |  |
| --- | --- |
| **A.** | **TEST IDENTITY** |
|  | **Test Case Number:** | **ILL 75 - 25** | **Priority:** | Conditional |
|  | **Objective:** | SOA – Old Service Provider Personnel, using a range of TNs, modify Inter-Service Provider Subscription Versions specifying a due date that is equal to the NPA-NXX Effective Date – Success |
|  |  |
| **B.** | **REFERENCES** |
|   | **NANC Change Order Revision Number:** |  | **Change Order Number(s):** | NANC 394 |
|  | **NANC FRS Version Number:** | 2.0.0 | **Relevant Requirement(s):** | RR5-163 |
|  | **NANC IIS Version Number:** | 2.0.1 | **Relevant Flow(s):** | B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION  |
|  |  |
| **C.** | **TIME ESTIMATE** |
|  | **Estimated Execution Time:** |  | **Estimated Prerequisite Setup Time:** |  | **Estimated NPAC Setup Time:** |  | **Estimated SP Setup Time:** |  |
|  |  |
| **D.** | **PREREQUISITE** |
|  | **Prerequisite Test Cases:** |  |
|  | **Prerequisite NPAC Setup:** |  |
|  | **Prerequisite SP Setup:** | Verify that the ‘pending’ Subscription Versions to be modified exist on the NPAC SMS with a due date later than the current date and later than the NPA-NXX Effective Date. |
|  |  |
| **E.** | **TEST STEPS and EXPECTED RESULTS** |
|  | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** |
| 1. | SP | Using the SOA, Old Service Provider personnel take action to modify the subscriptionOldSP-DueDate of Inter-Service Provider Subscription Versions for a range of TNs with a due date that is equal to the NPA-NXX Effective Date. | SP | The SOA issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS. |
| 2. | NPAC | The NPAC SMS accepts the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider SOA. | NPAC | 1. The NPAC SMS successfully validates the Subscription Versions due date.
2. The NPAC SMS issues an M-SET Request to itself to modify the subscriptionVersionNPAC objects and set the subscriptionModifiedTimeStamp.
3. The NPAC SMS issues an M-SET Response to itself.
4. The NPAC SMS issues an M-ACTION Success Response in CMIP (or MODR – ModifyReply in XML) to the Service Provider SOA.
 |
| 3. | NPAC | The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN range to the Old Service Provider SOA. | SP | The Service Provider SOA sends confirmation for theTN range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. |
| 4. | NPAC | The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for theTN range to the New Service Provider SOA. | SP | The New Service Provider SOA sends confirmation for the TN range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. |
| 5. | NPAC | NPAC Personnel perform a query for the Subscription Versions to verify that the Old SP due date was modified to the date submitted. | NPAC | The Old SP Subscription Version due date was modified correctly for all TNs in the range. |
| 6. | SP - conditional | Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions to verify that the Old SP due date was modified to the date submitted. | SP | The Old SP Subscription Version due date was modified correctly for all TNs in the range. |
| 7. | SP– optional | Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Versions to verify that the Old SP due date was modified to the date submitted. | SP | The Old SP Subscription Version due date was modified correctly for all TNs in the range. |

The following test cases in Chapter 9 have similar changes as identified above for test case ILL 75-25. The list below identifies the Test Case and the test steps that have impacts:

* Test Case ILL75-26, test steps 3 and 4
* Test Case ILL 79-3 (notification recovery), NPAC Pre-req. 2, bullets 1, 2, 4, 5, 6 and 7
* Test Case ILL 79-5, NPAC Pre-req. 2, 3, 5, 6, 7 and 8; Test Step 2 expected result 1 bullets 1, 3, 4, 5, 9, 10, 11, 12, 13, 14; Test Step 5
* Test Case ILL 79-6, NPAC Pre-req. 4 and 5; Test Step 3 expected result 1
* Test Case ILL 79-7, Test Step 5 expected remove result 3 (object create notification being sent to LSMS)
* NANC 48-4 (Primary / Association SPIDs), Test Step 2, 5, 8, 11, 14 and 17
* NANC 48-5, NPAC Pre-req 5, bullets 1, 2, 3, and 4; Test Steps 3, 5, 7, 9, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24 and 25
* NANC 48-7, Test Steps 3 and 4
* NANC 48-8, Test Steps 6 and 7
* NANC 48-9, Test Steps 3 and 4
* NANC 48-10, Test Steps 3
* NANC 48-11, Test Steps 3 and 4
* NANC 48-12, Test Steps 7, 8 and 9
* NANC 48-14, Test Steps 3 and 4
* NANC 48-15, Test Steps 6 and 7
* NANC 48-16, Test Steps 5 and 8
* NANC 48-17, Test Steps 3 and 4
* NANC 68-1 (Mass Update), Test Step 3
* NANC 68-3, Test Step 3
* NANC 201-1 (Wireless timers), Test Steps 3 and 4 (also remove NPAC Pre-req 5 and test step 10 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-2, Test Steps 3 and 4 (also remove NPAC Pre-req 5 and test step 10 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-5, Test Steps 3 and 4 (also remove NPAC Pre-req 5 and test step 10 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-6, Test Steps 3, 4, 5 and 6 (also remove NPAC Pre-req 5 and test step 10 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-9, Test Steps 3 and 4 (also remove NPAC Pre-req 5 and test step 10 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-13, Test Steps 2 and 3
* NANC 201-17, Test Steps 2, 3, 6 and 7
* NANC 201-18 (Old SP does create on SV where New SP already did their create), Test Steps 1 expected result 1 and 2 change M-Create to M-Set since the SV already exists on the NPAC; Test Steps 2 and 3 for CMIP change the objectCreation notification to two notifications – subscriptionVersionRangeAttributeValueChange and subscriptionVersionRangeStatusAttributeValueChange for status change to conflict, and change the XML message from an object creation notification to an attribute value change notification; Test Steps 4 and 6 expected result 2 – remove this since it does not apply to this test case.
* NANC 201-21, Steps 2 and 3 for CMIP change the objectCreation notification to two notifications – subscriptionVersionRangeAttributeValueChange and subscriptionVersionRangeStatusAttributeValueChange for status change to conflict, and change the XML message from an object creation notification to an attribute value change notification;
* NANC 201-25, Test Steps 2, 3, 4 and 5 (also remove NPAC Pre-req 5 and test step 9 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 201-30, Test Steps 2, 3, 7 and 8
* NANC 201-31, Test Steps 1 expected result 1 and 2 change create of SV to modify of the SV since the SV already exists on the NPAC; Test Steps 2 and 3 for CMIP change the objectCreation notification to two notifications – subscriptionVersionRangeAttributeValueChange and subscriptionVersionRangeStatusAttributeValueChange for status change to conflict.
* NANC 201-35, Test Steps 2, 3, 4 and 5 (also remove NPAC Pre-req 5 and test step 9 which are both associated with Separate SOA Channel for Notifications which is also being sunset).
* NANC 203-7 (WSMS DPC/SSN for wireless), Test Step 7
* NANC 203-8, Test Step 7
* NANC 203-32, Test Step 3
* NANC 203-7, Test Steps 4 and 5

Chapter 10, with the sunsetting of single TN notification formats, only TN range notification formats are being used. This affects some test cases in chapter 10. An example of the test case impacts for 1 test case is given below, then a list of test cases that have similar impacts are given.

Chapter 10, Test Case 6.2.2 “NPAC OP GUI - NPAC Personnel create an Intra-Service Provider Subscription Version where a previously ‘active’ Subscription Version does not exist, after the NPA-NXX-X Creation and prior to the NPA-NXX-X Effective Date – Success”, update test steps 3 and 8:

[snip]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3. | NPAC | NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Intra-Service Provider SOA including the following information:* subscriptionTN
* subscriptionNewCurrentSP
* subscriptionOldSP
* subscriptionNewSP-DueDate (seconds set to zeros)
* subscriptionVersionStatus

indicating this Subscription Version has been created on the NPAC SMS. | SP | The Service Provider SOA receives the subscriptionVersionRangeObjectCreation from the NPAC SMS. |
| 4. | SP | Service Provider SOA sends an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | NPAC | NPAC SMS receives the Confirmation from the Service Provider SOA. |
| 5. | NPAC | NPAC Personnel perform a query for the Subscription Version. | NPAC | NPAC Personnel verify that the Subscription Version with LNP Type set to ‘LISP’ exists on the NPAC SMS. |
| 6. | SP – Optional | Service Provider Personnel perform a local query for the Subscription Version. | SP | On the SOA, verify that the Subscription Version with LNP Type set to ‘LISP’ exists. |
| 7. | SP – Conditional | Service Provider Personnel perform an NPAC SMS query for the Subscription Version. | SP | Verify that the Subscription Version with LNP Type set to ‘LISP’ exists on the NPAC SMS. |
| 8. | SP – Optional | Service Provider Personnel using the SOA LTI perform an NPAC SMS query for the Subscription Version notification. | SP | Verify that the subscriptionVersionRangeObjectCreation notification for the create of the Subscription Version with LNP Type set to ‘LISP’ exists on the NPAC SMS. |

[snip]

The following test cases in Chapter 10 have similar changes as identified above for test case 6.2.2. The list below identifies the Test Case and the test steps that have impacts:

* 3.3.1, Test Step 5
* 6.2.5, Test Step 3
* 6.2.8, Test Step 4
* 6.2.10, Test Step 6
* 6.2.11, Test Steps 10, 11 and 12
* 6.2.13, Test Steps 7, 8 and 9
* 6.2.15, Test Steps 3 and 5
* 6.2.16, Test Steps 10, 11 and 12
* 6.5.1, Test Steps 5 and 9
* 6.5.2, Test Steps 4, 5 and 9
* 6.5.3, Test Steps 4, 5 and 9
* 6.5.4, Test Step 6
* 6.5.5, Test Step 6
* 6.5.6, Test Steps 5 and 9
* 8.4, Test Step 3 and expected result and Test Step 6 and its expected result, delete item 7 on Scheduled Downtime Notification since that was sunset/removed with NANC 454; Test Step 4 remove Scheduled Downtime Notification
* 9.4, Test Step 10

Chapter 11 – with the implementation of NANC 460, single TN notification formats are sunset. There are many updates to the Test Cases in Chapter 11, Section 2 dealing with TN Range Notifications.

* Every TC in Section 2 has a statement in the Objective and pre-requisites about the TN Range Notification Indicator being set to Production Setting (or to TRUE) for the SPIDs involved. This statement in the Objective and Pre-reqs will be removed since the TN Range Notification indicator can only be set to TRUE.
* Some TCs say to set the TN Range Notification Indicator to False for one of the SPIDs involved in the port – this will be changed to set it to true and the TC steps updated to account for this.
* Some TCs say to change the TN range indicator from False to True or True to False during its execution – these will be deleted.
* Many TCs have verbiage that indicates to send single TN notifications for each TN in a range or send a single TN range notification based on the TN Range notification indicator setting – these steps will be changed to indicate only TN range notifications will be sent.

Chapter 11, test case 2.1, remove verbiage in Objective and Pre-req about the TN Range notification indicator, update TC step 6, 13 and 18 to indicate only TN range notifications are sent to the New SP:

**Obejctive**: SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. ~~Their Customer TN Range Notification Indicator is set to their production value.~~ New SP does not submit their create request. Initial and Final Concurrence Windows expire. – Success

**NPAC Pre-req 1**: ~~Verify that the Customer TN Range Notification Indicator is set to the production value for the Old Service Provider.~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 6 | NPAC | ~~NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.~~* ~~If the setting is TRUE, t~~The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA that contains the following attributes:
* start TN
* end TN
* start SVID
* end SVID.
* subscriptionVersionId
* subscriptionTN
* subscriptionOldSP
* subscriptionNewCurrentSP
* subscriptionOldSP-DueDate
* subscriptionOldSP-Authorization
* subscriptionOldSP-AuthorizationTimeStamp
* subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
* subscriptionVersionStatus
* subscriptionTimerType (if supported)
* subscriptionBusinessType (if supported)
* subscriptionOldSPMediumTimerIndicator (if supported)
* ~~If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range.~~
 | SP | New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS ~~according to their Customer TN Range Notification Indicator~~.  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 13. | NPAC | Once the Initial Concurrence Window has expired, ~~the NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.~~* ~~If the setting is TRUE,~~ the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML) to the New SP SOA that contains the following attributes:
* start TN
* end TN
* start SVID
* end SVID
* subscriptionOldSP
* subscriptionOldSP-DueDate
* subscriptionOldSP-Authorization
* subscriptionOldSP-AuthorizationTimeStamp
* subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
* subscriptionTimerType (if supported)
* subscriptionBusinessType (if supported)
* ~~If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest in CMIP (or VNIN – SvNewSpCreateNotification in XML) for each TN in the range.~~
 | SP | New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 18. | NPAC | If the Final Create Window Expiration Notification Indicator is set to TRUE, ~~NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.~~* + ~~If the setting is TRUE,~~ the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the New SP SOA that contains the following attributes:
* start TN
* end TN
* start SVID
* end SVID
* subscriptionOldSP
* subscriptionNewCurrentSP
* subscriptionOldSP-DueDate
* subscriptionOldSP-Authorization
* subscriptionOldSP-AuthorizationTimeStamp
* subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
* subscriptionTimerType (if supported)
* subscriptionBusinessType (if supported)
	+ ~~If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) for each TN in the range.~~
* If the Final Create Window Expiration Notification Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.
 | SP | New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator.  |

The same types of changes (remove verbiage about TN Range Notification indicator setting, and test step indicating which type of notification to send based on TN range notification indicator setting), that are outlined above for test case 2.1 apply to every other Test Case in Chapter 11, section 11.1 on testing TN range notifications. The also apply to other TCs in Chapter 11 that issue notifications to SOA. The list of TCs and test steps impacted that will be modified (in addition to the removal of TN range notification indicator in Objective/Pre-req) are:

* Test case 2.2, only TN range notifications sent in test steps 6, 12, 15, 17
* Test case 2.3, only TN range notifications sent test in test steps 6 and 15. The test case also has an SUT priority of Conditional (create a single TN SV), but it should be Required.
* Test case 2.4, only affects verbiage in Objective and Pre-req (both SPs involved in port have TN range notification indicator set to TRUE)
* Test case 2.5, only TN range notification sent in test step 6
* Test case 2.6, only TN range notifications sent in test steps 7 and 9
* Test case 2.7, only TN range notification sent in test step 7
* Test case 2.8, only TN range notifications sent in test steps 6 and 8
* Test case 2.9, only TN range notification sent in test step 6
* Test case 2.10, only TN range notification sent in test step 6
* Test case 2.11, only TN range notification sent in test step 6
* Test case 2.12, only TN range notification sent in test step 6
* Test case 2.13, only TN range notification sent in test step 6
* Test case 2.14, only TN range notification sent in test step 4
* Test case 2.15, only TN range notifications sent in test step 4 and 6
* Test case 2.16, only TN range notifications sent in test step 5 and 8
* Test case 2.17, only TN range notification sent in test step 7
* Test case 2.18, only TN range notification sent in test step 5
* Test case 2.19, only TN range notifications sent in test step 5 and 8
* Test case 2.20, only affects verbiage in Objective and Pre-req (both SPs involved in port have TN range notification indicator set to TRUE)
* Test case 2.21, only TN range notifications sent in test step 5 and 8
* Test case 2.22, only TN range notification sent in test step 5
* Test case 2.23, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.24, only TN range notifications sent in test step 6 and 16
* Test case 2.25, only TN range notification sent in test step 3
* Test case 2.26, only TN range notification sent in test step 4
* Test case 2.27, only TN range notifications sent in test step 4 and 6
* Test case 2.28, only TN range notifications sent in test step 4, 6, 8 and 10
* Test case 2.29, only TN range notifications sent in test step 6 and 10
* Test case 2.30, only TN range notifications sent in test step 4, 6, 8 and 10
* Test case 2.31, only TN range notifications sent in test step 6 and 10
* Test case 2.32, only TN range notifications sent in test step 6 and 10
* Test case 2.33, only TN range notifications sent in test step 7, 10 and 12
* Test case 2.34, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.35, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.36, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.37, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.38, this test case will be DELETED – it is a recovery TC that modifies the TN range notification indicator from TRUE to FALSE before recovery is attempted.
* Test case 2.39, this test case will be DELETED – it is a recovery TC that modifies the TN range notification indicator from TRUE to FALSE in the middle of being down so TN range notifications and single TN notifications are generated before recovery is attempted.
* Test case 2.40, only affects verbiage in Objective and Pre-req (SP involved in port has TN range notification indicator set to TRUE)
* Test case 2.41, only affects verbiage in Objective and Pre-req
* Test case 2.42, this test case will be DELETED – it is a notification priority TC that requires TN range notification setting to be FALSE before TC is run (there are other TC that test notification priorities in section 6 of chapter 11.

Also make the following changes to certain Chapter 11, section 11.1 test casts:

Chapter 11, test case 2.3, update steps 4 & 6 (object create notification) updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.3, update steps 15 & 17 (attribute value change notification) updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.8, step 6 & 8 updates (Status AVC notification) – updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.9, update steps 6 & 8 (Status AVC notification) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

[snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SV IDs
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

[snip]

Chapter 11, test case 2.12, step 6 updates (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.15, step 4 & 6 updates (AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.16, step 5 updates (Customer Disconnect Date) & step 8 (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

[snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SV IDs
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

[snip]

Chapter 11, test case 2.19, step 5 updates (Customer Disconnect Date) & step 8 (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.20, step 5 updates (Customer Disconnect Date) & step 8 (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

Step 5:

[snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SV IDs
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

[snip]

Step 8:

[snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SVIDs
* ~~TN Range~~
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

Chapter 11, test case 2.23, step 4 updates (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

Step 4:

[snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SVIDs
* ~~TN Range~~
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

Chapter 11, test case 2.26, step 4 updates (Status AVC) & step 6 (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

 [snip]

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SVIDs
* ~~TN Range~~
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

Chapter 11, test case 2.27, step 4 & 6 (Status AVC), updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.29, step 4 & 6 updates (Status AVC) & step 8 & 10 updates (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

Steps 4 & 6:

[snip]

* start TN
* end TN
* list of SV IDs
	+ - ~~paired list of TNs and SVIDs~~

[snip]

Steps 8 & 10:

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SV IDs
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

[snip]

Chapter 11, test case 2.30, step 4 (Status AVC) and steps 8 & 10 (AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML concerning a TN Range notification for a single TN:

[snip]

* CMIP TN/SV ID info:
	+ - start TN
		- end TN
		- start SVID
		- end SVID
* XML TN/SV ID info:
	+ - sv\_id
		- sv\_tn

[snip]

Chapter 11, test case 2.32, step 4 & 6 updates (Status AVC) & step 8 & 10 updates (Status AVC) – updating the TN/version ID attributes to reflect differences between CMIP and XML when version IDs are non-consecutive for a TN range:

Steps 4 & 6:

[snip]

* start TN
* end TN
* list of SV IDs
	+ - ~~paired list of TNs and SVIDs~~

[snip]

Steps 8 & 10:

* CMIP TN/SV ID info:
* start TN
* end TN
* list of SV IDs
* XML TN/SV ID info:
	+ - Paired list of TNs and SVIDs

[snip]

Chapter 11, Section 11.2 on NANC 240 - No Cancellation of SVs Based on Expiration of T2 Timer Test Cases, also has changes based on single TN notifications. The changes are similar to the changes identified for Section 11.1 (see test case 2.1 previously), i.e., the statement about the TN Range Notification indicator being set in the Objective and Pre-requisites will be deleted, as well as certain test steps identifying the type of notification sent based on the TN Range Notification Indicator. These test cases will also be updated similar to the updates defined previously for Test Case 2.1, and include:

* + - Test case 3.1, objective, pre-reqs, and only TN range notifications sent in test step 4, 6, 12, 15, 17, 23 and 24
		- Test case 3.2, pre-reqs, and only TN range notifications sent in test step 4, 6, 12, 15, 16, 21 and 22
		- Test case 3.3, pre-reqs, and only TN range notifications sent in test step 4, 6, 12, 15, 16, 24, 26, 33 and 35
		- Test case 3.4, pre-reqs, and only TN range notifications sent in test step 4, 6, 12, and 15
		- Test case 3.5, pre-reqs, and only TN range notifications sent in test step 4, 6, 12, 15, 17, 23 and 24
		- Test case 3.6, pre-reqs, and only TN range notifications sent in test step 5
		- Test case 3.7, pre-reqs, and only TN range notifications sent in test step 5

Chapter 11, Section 11.3 on NANC 294 – Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due Date Problems Test Cases, also has changes based on single TN notifications. The changes are similar to the changes identified for Section 11.1 (see test case 2.1 previously), i.e., the statement about the the type of notification sent based on the TN Range Notification Indicator. These test cases will also be updated similar to the updates defined previously for Test Case 2.1, and include:

* + - Test case 4.1, only TN range notifications sent in test step 4 and 6
		- Test case 4.2, only TN range notifications sent in test step 4 and 6
		- Test case 4.3, only TN range notifications sent in test step 4 and 6
		- Test case 4.4, only TN range notifications sent in test step 4 and 6

Chapter 11, Section 11.4 on NANC 328 – Tunable for Long and Short Business Days Test Cases, also has changes based on single TN notifications. The changes are similar to the changes identified for Section 11.1 (see test case 2.1 previously), i.e., the statement about the the type of notification sent based on the TN Range Notification Indicator. These test cases will also be updated similar to the updates defined previously for Test Case 2.1, and include:

* + - Test case 5.1, only TN range notifications sent in test step 5 and 7
		- Test case 5.2, only TN range notifications sent in test step 5 and 7
		- Test case 5.3, only TN range notifications sent in test step 5 and 7
		- Test case 5.4, only TN range notifications sent in test step 5 and 7

Chapter 11, Section 11.5 on NANC 329 – Prioritization for SOA Notifications Test Cases, also has changes based on single TN notifications. The changes are similar to the changes identified for Section 11.1 (see test case 2.1 previously), i.e., pre-req statement on TN range notification indicator settting being removed and the statement about the the type of notification sent based on the TN Range Notification Indicator. These test cases will also be updated similar to the updates defined previously for Test Case 2.1, and include:

* + - Test case 6.1, update Pre-req and only TN range notifications sent in test step 6, 13, 18, and 22
		- Test case 6.2, update Pre-req and only TN range notifications sent in test step 4
		- Test case 6.3, update Pre-req and only TN range notifications sent in test step 4
		- Test case 6.4, update Pre-req only

Chapter 12, test case 169-1, update expected result 6, remove steps 7 and 8.

The audit finds the LSMS under test not discrepant for the SVs audited and the LSMS is removed from the Failed SP List for the audited SVs. Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.

Verify that:

* SV group a exists on the LSMS. Verify that all of them reflect the ‘modified’ SV values from the prerequisites above.
* SV group b exists on the LSMS.
* SV group b1 exists on the LSMS.
* SV group c exists on the LSMS.
* SV group d exists on the LSMS.
* SV group g exists on the LSMS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~7.~~~~7.~~ | ~~NPAC~~ | ~~NPAC Personnel ‘re-send’ the following to the Service Provider under test:~~* ~~SV group a that exists on the NPAC SMS with a status of ‘Active with a Failed SP List.~~
* ~~SV group c that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~
* ~~SV group d that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~

~~.~~~~NPAC SMS issues the appropriate messages to the LSMS in order to update the LSMS for these SVs.~~ | ~~SP~~~~SP~~ | ~~LSMS receives the resend requests from the NPAC SMS and issues a ‘duplicate object’ response to the NPAC SMS for:~~* ~~SV group c~~
* ~~SV group d~~
* ~~SV group g~~
 |
| ~~8~~~~8.~~ | ~~NPAC~~ | ~~NPAC Personnel perform multiple Full audits for each NPA-NXX of the following SVs, to verify that all the appropriate updates were processed from the NPAC ‘re-send’ for the ‘Partial-Fail’ objects:~~* ~~SV group a~~
* ~~SV group c~~
* ~~SV group d~~
* ~~SV group g~~
 | ~~SP~~ | ~~Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.~~~~Verify that:~~* ~~SV group a exists on the LSMS.~~
* ~~SV group c exists on the LSMS.~~
* ~~SV group d exists on the LSMS.~~
* ~~SV group g exists on the LSMS.~~
 |

Chapter 12, test case 169-2, update expected result 6, remove steps 7 and 8.

The audit finds the LSMS under test not discrepant for the SVs audited and the LSMS is removed from the Failed SP List for the audited SVs. Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.

Verify that:

* SV group a exists on the LSMS.
* SV group b exists on the LSMS.
* SV group c exists on the LSMS.
* SV group d exists on the LSMS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~7.~~ | ~~NPAC~~ | ~~NPAC Personnel ‘re-send’ the following to the Service Provider under test:~~**~~NOTE: The BDD request was a subset of the total TNs manipulated in the Prerequisite Setup above. Resend the respective subset of data.~~*** ~~SV group a that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~
* ~~SV group d that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~

~~NPAC SMS issues the appropriate messages to the LSMS in order to update the LSMS for these SVs.~~ | ~~SP~~ | ~~LSMS receives the resend requests from the NPAC SMS and issues a ‘duplicate object’ response to the NPAC SMS for:~~**~~NOTE: The BDD request was a subset of the total TNs manipulated in the Prerequisite Setup above. Verify the subset of data.~~*** ~~SV group a~~
* ~~SV group d~~
 |
| ~~8.~~ | ~~NPAC~~ | ~~NPAC Personnel perform multiple Full audits for each NPA-NXX of the following SVs to verify that all the appropriate updates were processed from the NPAC ‘re-send’ for the ‘Partial-Fail’ objects:~~* ~~SV group 2a~~
* ~~SV group 2d~~
 | ~~NPAC~~ | ~~Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.~~~~Verify that:~~* ~~SV group 2a~~
* ~~SV group 2d~~
 |

Chapter 12, test case 169-3, update expected result 6, remove steps 7 and 8.

The audit finds the LSMS under test not discrepant for the SVs audited and the LSMS is removed from the Failed SP List for the audited SVs. Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.

Verify that:

* SV group a exists on the LSMS.
* SV group b exists on the LSMS.
* SV group c exists on the LSMS.
* SV group f exists on the LSMS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~7.~~ | ~~NPAC~~ | ~~NPAC Personnel ‘re-send’ the following to the Service Provider under test:~~* ~~SV group a that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~
* ~~SV group f that exists on the NPAC SMS with a status of ‘Active’ and a Failed SP List including the service provider under test.~~

~~NPAC SMS issues the appropriate messages to the LSMS in order to update the LSMS for these SVs.~~ | ~~SP~~ | ~~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 f~~
 |
| ~~8.~~ | ~~NPAC~~ | ~~NPAC Personnel perform multiple Full audits for each NPA-NXX of the following SVs to verify that all the appropriate updates were processed from the NPAC ‘re-send’ for the ‘Partial-Fail’ objects:~~* ~~SV group a~~
* ~~SV group f~~
 | ~~NPAC~~ | ~~Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.~~~~Verify that:~~* ~~SV group a~~
* ~~SV group f~~
 |

Chapter 12, test case 169-4, update expected result 6, remove steps 7 and 8.

The audit finds the LSMS under test not discrepant for the SVs audited and the LSMS is removed from the Failed SP List for the audited SVs. Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.

Verify that:

* SV group a exists on the LSMS.
* SV group b exists on the LSMS.
* SV group c exists on the LSMS.

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| --- | --- | --- | --- | --- |
| ~~7.~~ | ~~NPAC~~ | ~~NPAC Personnel ‘re-send’ the following to the Service Provider under test:~~**~~NOTE: The BDD request was a subset of the total TNs manipulated in the Prerequisite Setup above. Resend the respective subset of data.~~*** ~~SV group a that exists on the NPAC SMS with a status of ‘Partial-Fail’.~~

~~NPAC SMS issues the appropriate messages to the LSMS in order to update the LSMS for these SVs.~~ | ~~SP~~ | ~~LSMS receives the resend requests from the NPAC SMS and issues a ‘duplicate object’ response to the NPAC SMS for:~~**~~NOTE: The BDD request was a subset of the total TNs manipulated in the Prerequisite Setup above. Verify the subset of data.~~*** ~~SV group a~~
 |
| ~~8.~~ | ~~NPAC~~ | ~~NPAC Personnel perform multiple Full audits for each NPA-NXX in the following SVs to verify that all the appropriate updates were processed from the NPAC ‘re-send’ for the ‘Partial-Fail’ objects:~~* ~~SV group a~~
 | ~~NPAC~~ | ~~Using the Audit Results Log, verify that there were no updates made. If any updates were made as a result of running this audit, this test case fails.~~~~Verify that:~~* ~~SV group a~~
 |

Chapter 12, for sunsetting single TN notifications, a subset of Test Cases in Chapter 12 have steps that have the NPAC SMS sending notifications to SOA, some using single TN notification formats and others using the single or range notification formats based on the TN Range Notification Indicator setting. These Test Case steps will need to be modified, similar to how the Test Case steps discussed in Chapter 11, Test case 2.1 previously to indicate that only TN range notifications will be sent by the NPAC to SOA. The impacted test cases and test steps impacts are:

* NANC 218-1, test steps 3, 5, 7 and 9
* NANC 218-2, test steps 4, 6, 8 and 10
* NANC 230-1, test step 4
* NANC 230-3, test step 4
* NANC 249-1, test steps 5 and 9
* NANC 319-3, test step 3
* NANC 319-6, test step 3

Chapter 12, test case NANC 322-1 and NANC 322-2, for sunsetting BDD Response Files (NANC 322 – Clean Up of Failed SP List Based on Service Provider BDD Response File), these 2 test cases will be removed from the Turn-up Test Plan.

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| **TEST IDENTITY** |  |
| **Test Case Number:** | **NANC 322-1** | SUT Priority: | **SOA**  | N/A |
| **LSMS** | Conditional |
| **Objective:** | LSMS – Service Provider Personnel create a Bulk Data Download Response File for Subscription Version data. NPAC Personnel process the Bulk Data Download Response File. The Service Provider was previously on the Failed SP List for at least some of the Subscription Versions in the respective file. Verification steps are performed to ensure the Service Provider’s LSMS is now in synch with the NPAC SMS. - Success**Note:** Bulk Data Download scenarios for the XML interface will include Last Activity Timestamp, if supported by the Service Provider. |

Test Case has been removed with the sunset of BDD Response Files in NANC 460.

(Rest of the Test Case will be deleted)

|  |  |
| --- | --- |
| **TEST IDENTITY** |  |
| **Test Case Number:** | **NANC 322-2** | SUT Priority: | **SOA**  | N/A |
| **LSMS** | Conditional |
|  |  |
| **Objective:** | LSMS – Service Provider Personnel create a Bulk Data Download Response File for Number Pool Block data. NPAC Personnel process the Bulk Data Download Response File. The Service Provider was previously on the Failed SP List for at least some of the Number Pool Blocks in the respective file. Verification steps are performed to ensure the Service Provider’s LSMS is now in synch with the NPAC SMS. - Success**Note:** Bulk Data Download scenarios for the XML interface will include Last Activity Timestamp, if supported by the Service Provider. |

Test Case has been removed with the sunset of BDD Response Files in NANC 460.

(Rest of the Test Case will be deleted)

Chapter 13, test case NANC 383 – 1, SOA – Service Provider personnel send a resynchronization request for notification information over a separate SOA channel for notifications – Success. This test case will be deleted since it is associated with the Separate SOA Channel for Notifications feature, which is sunset with NANC 460.

Chapter 13, test case NANC 138-1, SOA – NPAC SMS automatically sets a cancel-Pending SV to conflict after the Cancellation-Initial Concurrence and Cancellation-Final Concurrence Timers expire – Success. For sunsetting the ability for SOA to not support Cause Code 2 (automatic conflict from cancellation notification) and to sunset the ability for SOA to not receive the AVC notification with Cause Code 2, this test case priority will be changed from Conditional to Required.

|  |  |
| --- | --- |
| **TEST IDENTITY** |  |
| **Test Case Number:** | **NANC 138-1** | SUT Priority: | **SOA**  | ~~Conditional~~Required |
| **LSMS** | N/A |
| **Objective:** | SOA – NPAC SMS automatically sets a cancel-Pending SV to conflict after the Cancellation-Initial Concurrence and Cancellation-Final Concurrence Timers expire - Success |

Chapter 13, for sunsetting single TN notifications, a subset of Test Cases in Chapter 13 have steps that have the NPAC SMS sending notifications to SOA, some using single TN notification formats and others using the single or range notification formats based on the TN Range Notification Indicator setting. These Test Case steps will need to be modified, similar to how the Test Case steps discussed in Chapter 11, Test case 2.1 previously to indicate that only TN range notifications will be sent by the NPAC to SOA. The impacted test cases and test steps impacts are:

* NANC 375-2, test steps 4, 5, 6 and 7
* NANC 375-4, test steps 4, 5, 6 and 7
* NANC 388-1, test steps 4 and 5
* NANC 348-1, remove single TN notifications listed in NPAC Pre-requisite
* NANC 138-1, test steps 1, 3, 4, 5 and 6
* NANC 351-2, test steps 13 and 16
* NANC 351-4, test steps 10, 14, 16 and 18
* NANC 227-1, test steps 4, 5 and 11
* NANC 400-1, test steps 1 and 4
* NANC 400-2, test step 2

Chapter 13, test case NANC 400-4, update step 4

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| 4. | NPAC | For the LSMS under test, the NPAC SMS issues an M-SET Request numberPoolBlock in CMIP (or ~~PATN – NpbAttributeValueChangeNotification~~ PBMD - NpbModifyDownload in XML) to update the attributes on the Number Pool Block object. | SP | For the LSMS under test, LSMS receives the M-SET Request in CMIP (or ~~PATN – NpbAttributeValueChangeNotification~~ PBMD - NpbModifyDownload in XML), verifies that the action is valid and returns an M-SET Response numberPoolBlock in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.  |

Chapter 14, for sunsetting single TN notifications, a subset of Test Cases in Chapter 14 have steps that have the NPAC SMS sending notifications to SOA, some using single TN notification formats and others using the single or range notification formats based on the TN Range Notification Indicator setting. These Test Case steps will need to be modified, similar to how the Test Case steps discussed in Chapter 11, Test case 2.1 previously to indicate that only TN range notifications will be sent by the NPAC to SOA. The test cases and test steps impacted are:

* NANC 416 (adding new attributes to Notifications in Notification BDD file), reuses existing test case NANC 348-1, and the NPAC Pre-requisites need to be updated to remove the single TN notifications being sunset.
* NANC 441-2, test steps 4, 5, 7 and 8
* NANC 441-3, test steps 3, 4 and 5
* NANC 441-4, test steps 3 and 4
* NANC 441-5, test steps 3 and 4
* NANC 441-7, test steps 3 and 4
* NANC 441-8, test steps 2, 3, 4 and 5

Chapter 15, Test Case NANC 426, reuses existing Test Case NANC 68-1, test steps 3 and 4 need to be modified similar to Chapter 11, Test Case 2.1 previously to indicate only TN Range notifications are used.

Chapter 17, test case NANC 372-Security-14, update Test Result 4.

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| 4. | NPAC | NPAC sends a message to LSMS, where the Departure TimeStamp attribute is inaccurate. | SP | LSMS (acting as server) accepts the connection but rejects the message with an ~~access\_denied~~ invalid\_data\_values Error. |

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Chapter 16, test case Assoc Data-2, update Objective and Expected Result 2 to indicate SOA/LSMS aborts or retries the association:

Objective: Verify SOA/LSMS aborts the association or retries to establish a new association when the NPAC SMS replies with an invalid System ID.

Expected Result 2: SOA/LSMS aborts association with no reason provided or SOA/LSMS times-out and retries establishing a new association (whereby NPAC aborts the invalid association and establishes the new association).

Chapter 16, test case Assoc Data-3, update Objective and Expected Result 2 to indicate SOA/LSMS aborts or retries the association:

Objective: Verify SOA/LSMS aborts the association or retries to establish a new association when the NPAC SMS replies with delayed CMIP Departure time.

Expected Result 2: SOA/LSMS aborts association with no reason provided or SOA/LSMS times-out and retries establishing a new association (whereby NPAC aborts the invalid association and establishes the new association).

Chapter 16, test case Assoc Data-4, update Objective and Expected Result 2 to indicate SOA/LSMS aborts or retries the association:

Objective: Verify SOA/LSMS aborts the association or retries to establish a new association when the NPAC SMS replies with an out-of-order sequence number.

Expected Result 2: SOA/LSMS aborts association with no reason provided or SOA/LSMS times-out and retries establishing a new association (whereby NPAC aborts the invalid association and establishes the new association).

Chapter 16, test case Assoc Data-6, update Objective and Expected Result 2 to indicate SOA/LSMS aborts or retries the association:

Objective: Verify SOA/LSMS aborts the association or retries to establish a new association when the NPAC SMS replies with an invalid Security Key.

Expected Result 2: SOA/LSMS aborts association with no reason provided or SOA/LSMS times-out and retries establishing a new association (whereby NPAC aborts the invalid association and establishes the new association).