**Origination Date:** 03/05/2019

**Originator:** iconectiv

### Change Order Number: NANC 539

**Description:** Vendor Certification and Regression Test Plan – doc-only updates

**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 |

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| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | **NPAC** | SOA | LSMS |
| N | N | N | N | N |

**Business Need**

Documentation Updates.

**Description of Change:**

Changes listed below.

Vendor Certification and Regression Test Plan Updates:

Test Plan updates are needed for NANC 507, where on immediate disconnects, if the effective release date is specified with the current date or a date in the past, a status attribute value change notification setting the requested SV(s) to “disconnect-pending” is sent to the New SP SOA. A step describing this behavior needs to be added to the immediate disconnect test cases.

This change will be made to the following testcases:

Chapter 8: 4 test cases impacted

|  |  |
| --- | --- |
| 8.1.2.3.1.2 Immediate Disconnect of ‘active’ port - single TN – SOA Mechanized Interface. – Failure | |
| Purpose: | Disconnect an ‘active’ port consisting of a single TN via the SOA Mechanized Interface. All valid LSMSs fail deletion. |
| Requirements: | * R5-62, RR5-23.1, RR5-23.2, RR5-24, RR5-25.1, RR5-25.2, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, R5-67.1, R5-68.2, R5-68.3, R5-68.4, R5-68.5, R5-68.6, R5-68.7, R5-68.9, 6.5.4.1, 6.5.4.3 |
| Prerequisites: | An ‘active’ port exists.  New Service Provider sends a disconnect request to the NPAC SMS for a single TN via the SOA Mechanized Interface.  Use LSMS simulator(s) to create failure scenario. |
| Expected Results: | 1. NPAC SMS sends a disconnect request response in CMIP (or DISR – DisconnectReply in XML) to the current Service Provider. 2. If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the subscription version to “disconnect-pending”, issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the current Service Provider SOA to set the status of the subscription version to “disconnect-pending”, and then NPAC SMS sets the status, for the Subscription Version, to ‘sending’; if the Effective Release Date was not specified, NPAC SMS set the status of the subscription version to ‘sending’. 3. If the subscriptionVersionRangeStatusAttributeValueChange notification was sent, the Current Service Provider SOA acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 4. NPAC SMS sends a notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor Service Provider with the disconnect date. 5. Donor Service Provider acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 6. NPAC SMS sends a deletion request in CMIP (or SVDD – SvDeleteDownload in XML) to LSMSs that are accepting Subscription Version data downloads for the given NPA-NXX via the LSMS Mechanized Interface.   [snip] |

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| 8.1.2.3.1.3 Immediate Disconnect of ‘active’ port - single TN – SOA Mechanized Interface. – Partial Failure | |
| Purpose: | Disconnect an ‘active’ port consisting of a single TN via the SOA Mechanized Interface. At least one LSMS fails deletion. |
| Requirements: | * R5-62, RR5-23.1, RR5-23.2, RR5-24, RR5-25.1, RR5-25.2, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, R5-67.1, R5-68.2, R5-68.3, R5-68.4, R5-68.5, R5-68.6, R5-68.7, R5-68.9, 6.5.4.1, 6.5.4.4 |
| Prerequisites: | An ‘active’ port exists.  New Service Provider sends a disconnect request to the NPAC SMS for a single TN via the SOA Mechanized Interface.  Use LSMS simulator(s) to create partial failure scenario. |
| Expected Results: | 1. NPAC SMS sends a disconnect request response in CMIP (or DISR – DisconnectReply in XML) to the current Service Provider. 2. If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the subscription version to “disconnect-pending”, issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the current Service Provider SOA to set the status of the subscription version to “disconnect-pending”, and then NPAC SMS sets the status for the Subscription Version to ‘sending’; if the Effective Release Date was not specified, NPAC SMS set the status of the subscription version to ‘sending’. 3. If the subscriptionVersionRangeStatusAttributeValueChange notification was sent, the Current Service Provider SOA acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 4. NPAC SMS sends a notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor Service Provider with the disconnect date. 5. Donor Service Provider acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 6. NPAC SMS sends a deletion request in CMIP (or SVDD – SvDeleteDownload in XML) to LSMSs that are accepting Subscription Version data downloads for the given NPA-NXX via the LSMS Mechanized Interface.   [snip] |

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| 8.1.2.3.1.5 Immediate Disconnect of ‘active’ port – range of TNs – SOA Mechanized Interface. – Failure | |
| Purpose: | Disconnect an ‘active’ port consisting of a TN range via the SOA Mechanized Interface. All valid LSMSs fail deletion. |
| Requirements: | * R5-62, RR5-23.1, RR5-23.2, RR5-24, RR5-25.1, RR5-25.2, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, R5-67.1, R5-68.2, R5-68.3, R5-68.4, R5-68.5, R5-68.6, R5-68.7, R5-68.9, 6.5.4.1, 6.5.4.3 |
| Prerequisites: | An ‘active’ port exists.  New Service Provider sends a disconnect request to the NPAC SMS for a range of TNs via the SOA Mechanized Interface.  Use LSMS simulator(s) to create failure scenario. |
| Expected Results: | 1. NPAC SMS sends a disconnect request response in CMIP (or DISR – DisconnectReply in XML) to the current Service Provider. 2. If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the subscription versions to “disconnect-pending”, issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the current Service Provider SOA to set the status of the subscription versions for the TN range to “disconnect-pending”, and then NPAC SMS sets the status, for the Subscription Versions, to ‘sending’; if the Effective Release Date was not specified, NPAC SMS set the status of the subscription versions to ‘sending’. 3. If the subscriptionVersionRangeStatusAttributeValueChange notification was sent, the Current Service Provider SOA acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 4. NPAC SMS sends a TN Range notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML), for the range of Subscription Versions, to the Donor Service Provider with the disconnect date. 5. Donor Service Provider acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 6. NPAC SMS sends a single deletion request in CMIP (or SVDD – SvDeleteDownload in XML) to LSMSs that are accepting Subscription Version data downloads for the given NPA-NXX via the LSMS Mechanized Interface.   [snip] |

|  |  |
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| 8.1.2.3.1.6 Immediate Disconnect of an ‘active’ port – range of TNs – SOA Mechanized Interface. – Partial Failure | |
| Purpose: | Disconnect an ‘active’ port consisting of a TN range via the SOA Mechanized Interface. At least one LSMS fails deletion. |
| Requirements: | * R5-62, RR5-23.1, RR5-23.2, RR5-24, RR5-25.1, RR5-25.2, R5-65.1, R5-65.4, R5-65.5, R5-65.6, R5-66.2, R5-66.3, R5-67.1, R5-68.2, R5-68.3, R5-68.4, R5-68.5, R5-68.6, R5-68.7, R5-68.9, 6.5.4.1, 6.5.4.4 |
| Prerequisites: | An ‘active’ port exists.  New Service Provider sends a disconnect request to the NPAC SMS for a range of TNs via the SOA Mechanized Interface.  Use LSMS simulator(s) to create partial failure scenario. |
| Expected Results: | 1. NPAC SMS sends a disconnect request response in CMIP (or DISR – DisconnectReply in XML) to the current Service Provider. 2. If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the subscription versions to “disconnect-pending”, issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the current Service Provider SOA to set the status of the subscription versions for the TN range to “disconnect-pending”, and then NPAC SMS sets the status, for the Subscription Versions, to ‘sending’; if the Effective Release Date was not specified, NPAC SMS set the status of the subscription versions to ‘sending’. 3. If the subscriptionVersionRangeStatusAttributeValueChange notification was sent, the Current Service Provider SOA acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 4. NPAC SMS sends a TN Range notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML), for the range of Subscription Versions, to the Donor Service Provider with the disconnect date. 5. Service Provider acknowledges the notification in CMIP (or NOTR – NotificationReply in XML). 6. NPAC SMS sends a single deletion request in CMIP (or SVDD – SvDeleteDownload in XML) to LSMSs that are accepting Subscription Version data downloads for the given NPA-NXX via the LSMS Mechanized Interface.   [snip] |

Chapter 9: 1 Test Case Impacted

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| --- | --- | --- | --- | --- |
| **A.** | **TEST IDENTITY** | | | |
|  | **Test Case Number:** | **NANC 48-16** | **Priority:** | Conditional | |
|  | **Objective:** | SOA – ‘Associated’ Service Provider ‘B’ issues an Immediate Disconnect for an Active SV where the TN is part of a Pool – Success | | | |

[snip]

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| **E.** | | **TEST STEPS and EXPECTED RESULTS** | | | |
|  | **NPAC or SP** | | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | | Using a SOA system, SPID ‘B’ Service Provider Personnel Immediately Disconnect an ‘Active’ subscription version for a TN that is part of a Number Pool Block in which SPID ‘B’ is the Current Service Provider and ‘Primary’ SPID ‘A’ is the Old Service Provider and Block Holder Service Provider and submits the request to the NPAC SMS. | NPAC | SPID ‘B’ issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) for SV1 to the NPAC SMS (care of their ‘Primary’ SPID ‘A’s’ SOA association). | |
| 2. | NPAC | | The NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from SPID ‘B’ (care of SPID ‘A’s’ SOA association). | NPAC | The NPAC SMS issues an M-SET Request on SV1 to itself and performs the following actions:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status for SV1 to “disconnect-pending”. Otherwise, the subscriptionVersionStatus for SV1 goes to ‘sending’. * The customerDisconnectDate and effectiveReleaseDate are set to the values specified on the request. * Creates SV2 with LNP type ‘POOL’, and Block default routing information, and sets the status to ‘sending’. | |
| 3. | NPAC | | The NPAC SMS receives the M-SET Request. | NPAC | The NPAC SMS issues an M-SET Response to itself. | |
| 4. | NPAC | | The NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to SPID ‘B’ via SPID ‘A’s’ SOA association. | SP | SPID ‘B’ receives the Response from the NPAC via SPID ‘A’s’ SOA association. | |
| 5. | NPAC | | If the Status of SV1 was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to SPID ‘B’ via SPID ‘A’s’ SOA association, to set the status of SV1 to “disconnect-pending”. | SP | SPID ‘B’ (via SPID ‘A’s’ SOA association) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 6 | NPAC | | The NPAC SMS issues an M-SET Request on SV1 to itself and performs the following actions:   * The subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp are set to the current date and time. * The status of SV1 is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request and SMS issues an M-SET Response to itself. | |
| 7. | NPAC | | The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) on SV1 to SPID ‘A’. SPID ‘A’ is the Block Holder Service Provider. | SP | SPID ‘A’ issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for SV1. | |
| 8. | NPAC | | 1. The NPAC SMS issues an M-DELETE Request subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX. The subscription version deleted on the LSMSs allows default block routing for the TN from the parent Number Pool Block. 2. The NPAC SMS schedules an LSMS Response Timer for each subscriptionVersion SV1. | SP | 1. Each LSMS in the region that is accepting downloads for this NPA-NXX issues an M-DELETE success response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 2. With the first successful response from an LSMS, the subscriptionDisconnectBroadcastSuccessTimeStamp and subscriptionModifiedTimeStamp are set to the current date and time. | |

[snip]

Chapter 10: 2 Test Cases impacted

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| --- | --- | --- | --- | --- | --- |
| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **6.5.1** | **SUT Priority:** | **SOA LTI** | N/A | |
| **SOA** | R | |
| **LSMS** | R | |
|  |  | |
|  | **Objective:** | SOA - Service Provider Personnel submit a Subscription Version Immediate Disconnect request for a TN that is part of a 1K Block, where the Subscription Version LNP Type is set to ‘LISP’, after the Block existence – Success | | | |

[snip]

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| --- | --- | --- | --- | --- |
| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using the SOA, the Current Service Provider Personnel submit a Subscription Version Immediate Disconnect Request to the NPAC SMS. The request specifies either the Subscription Version ID, or Subscription Version TN.  2. The Current Service Provider SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) for SV1 to the NPAC SMS. (SV1 is the currently ‘active’ Subscription Version that will be disconnected.) | NPAC | The NPAC SMS receives the Request for SV1. | |
| 2. | NPAC | The NPAC SMS issues an M-SET Request for SV1 to itself to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status for SV1 to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action for SV1. | NPAC | The NPAC SMS receives the M-SET Request for SV1 and issues an M-SET Response for SV1 back to itself. | |
| 3. | NPAC | The NPAC SMS issues an M-CREATE Request for SV2 to itself and populates the default routing information from the numberPoolBlock object. The subscriptionVersionStatus for SV2 is set to 'sending'. | NPAC | The NPAC SMS receives the M-CREATE for SV2 and issues an M-CREATE Response for SV2 to itself. | |
| 4. | NPAC | The NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the Current Service Provider SOA. | SP | The Current Service Provider SOA receives the Response for SV1 from the NPAC SMS. | |
| 5. | NPAC | If the Status of SV1 was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider SOA, to set the status of SV1 to “disconnect-pending”. | SP | The Current Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 6. | NPAC | The NPAC SMS issues an M-SET Request for SV1 to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status of SV1 is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for SV1 and issues an M-SET Response for SV1 back to itself. | |
| 7. | NPAC | The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) on SV1 to the Block Holder SOA. | SP | The Block Holder SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for SV1 back to the NPAC SMS. | |
| 8. | NPAC | 1. The NPAC SMS issues an M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX. | SP | All LSMSs that are accepting downloads for this NPA-NXX issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) for SV1 back to the NPAC SMS. These LSMSs will then proceed to process the delete for this Subscription Version and reinstate the default routing information contained in the respective numberPoolBlock object. | |

[snip]

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| --- | --- | --- | --- | --- | --- |
| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **6.5.6** | **SUT Priority:** | **SOA LTI** | N/A | |
| **SOA** | R | |
| **LSMS** | O | |
|  |  | |
|  | **Objective:** | SOA - Service Provider Personnel submit a Subscription Version Immediate Disconnect request for a TN that is part of a 1K Block, after the Block Activation Date, none of the LSMSs that are accepting downloads for that NPA-NXX respond resulting in a failure – Success | | | |

[snip]

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| --- | --- | --- | --- | --- | --- | --- |
| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | | | |
| **Row #** | **NPAC or SP** | **Test Step** | | **NPAC or SP** | | **Expected Result** | |
| 1. | SP | 1. Using the SOA, Service Provider Personnel submit a Subscription Version Immediate Disconnect request on behalf of the Current Service Provider to the NPAC SMS.  2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) for SV1 to the NPAC SMS. | | NPAC | | The NPAC SMS receives the Subscription Version Immediate Disconnect Request from the Current Service Provider SOA. | |
| 2. | NPAC | The NPAC SMS issues an M-SET Request for SV1 to itself to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status for SV1 to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action for SV1. | | NPAC | | The NPAC SMS issues an M-SET Response for SV1 to itself. | |
| 3. | NPAC | The NPAC SMS issues an M-CREATE Request for SV2 to itself and populates the default routing information from the numberPoolBlock object. The subscriptionVersionStatus for SV2 is set to 'sending'. | | NPAC | | The NPAC SMS receives the M-CREATE for SV2 and issues an M-CREATE Response for SV2 to itself. | |
| 4. | NPAC | The NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML)for SV1 to the Current Service Provider SOA. | | SP | | The Current Service Provider SOA receives the Subscription Version Immediate Disconnect Response from the NPAC SMS. | |
| 5. | NPAC | If the Status of SV1 was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider SOA, to set the status of SV1 to “disconnect-pending”. | SP | | The Current Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | | | |
| 6. | NPAC | The NPAC SMS issues an M-SET Request for SV1 to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status of SV1is set to “sending”. | NPAC | | The NPAC SMS receives the M-SET Request for SV1 and issues an M-SET Response for SV1 back to itself. | | | |
| 7. | NPAC | The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) on SV1 to the Block Holder SOA. | | SP | | The Block Holder SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for SV1 back to the NPAC SMS. | |
| 8. | NPAC | The NPAC SMS issues an M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) for SV1 to all LSMSs in the region that are accepting downloads for this NPA-NXX. | | SP | | 1. All LSMSs that are accepting downloads for this NPA-NXX receive the Subscription Version Delete Request for SV1.  2. The NPAC SMS waits for a response from all LSMSs accepting downloads for this NPA-NXX.  3. The NPAC SMS retries any LSMS (SV1 to LSMSs) if they have not responded within a tunable amount of time.  4. None of the LSMSs in the region respond with a successful message (all LSMSs have failed the requests). | |

[snip]

Chapter 11: 8 Test Cases impacted

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.16** | **SUT Priority:** | **SOA** | R | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create but are not contiguous across the sub-ranges. The immediate disconnect request is submitted as one range and results in one notification containing a list of the SVIDs. – Success | | | |

[snip]

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| --- | --- | --- | --- | --- |
| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a range of 500 active subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS and specifies the range of TNs and the current date. | NPAC | NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA. | |
| 2. | NPAC | NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself for each TN in the range to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA. | SP | New SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS. | |
| 4. | NPAC | If the Status of the impacted SVs was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA, that contains the following attributes:   * TN Range and list of SV IDs (CMIP only) * paired list of TNs and SVIDs (XML only) * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 5. | NPAC | The NPAC SMS issues an M-SET Request for the subscription versions to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription versions and issues an M-SET Response back to itself. | |
| 6. | NPAC | NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the 500 TNs that contains the following attributes:   * paired list of TNs and SVIDs * subscriptionVersionCustomerDisconnectDate | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues the M-EVENT-REPORT Confirmationin CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 7. | NPAC | NPAC SMS issues one M-DELETE Request subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX for the range of 500 TNs. | SP | * + - All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the requests are valid.     - All LSMSs in the region issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.     - After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the request from the NPAC SMS. | |

[snip]

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| --- | --- | --- | --- | --- | --- |
| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.17** | **SUT Priority:** | **SOA** | R | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – Donor Service Provider receives snapback notification upon immediate disconnect of a range of 5 active SVs. The ‘active’ SVs exist with contiguous SVIDs and the same feature data. The immediate disconnect results in one notification to the Donor Service Provider. – Success | | | |

[snip]

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| --- | --- | --- | --- | --- |
| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | NPAC | Using the NPAC OpGUI, NPAC Personnel, on behalf of the New SP, submit a request to disconnect a range of 5 active subscription versions. Specify the range of 5 consecutive TNs described in the prerequisites above and the current date as the disconnect date. | NPAC | NPAC SMS receives the request on behalf of the New SP SOA. | |
| 2. | NPAC | NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself for each TN in the range to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | If the Status of the impacted SVs was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA, that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 4. | NPAC | The NPAC SMS issues an M-SET Request for the subscription versions to itself to do the following:   * The subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription versions and issues an M-SET Response back to itself. | |
| 5. | NPAC | NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the range of 5 TNs that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionCustomerDisconnectDate * subscriptionEffectiveReleaseDate | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS, and issues an M-EVENT-REPORT Confirmationin CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | |
| 6. | NPAC | NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. | SP | 1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS. | |

[snip]

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.18** | **SUT Priority:** | **SOA** | R | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – Current Service Provider Personnel perform an immediate disconnect for a range of 10 ‘active’ subscription versions. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success | | | |

[snip]

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| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionDisconnect Request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS and specifies the range of TNs. | NPAC | NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the Current SP SOA. | |
| 2. | NPAC | NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself for each TN in the range to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the Current SP SOA. | SP | Current SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS. | |
| 4. | NPAC | If the Status of the impacted SVs was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current SP SOA, that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The Current SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 5. | NPAC | The NPAC SMS issues an M-SET Request for the subscription versions to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription versions and issues an M-SET Response back to itself. | |
| 6. | NPAC | NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the range of 10 TNs that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionCustomerDisconnectDate * subscriptionEffectiveReleaseDate | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT Confirmationin CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | |
| 7. | NPAC | NPAC SMS issues an M-Delete scoped/filtered Requests in CMIP (or SVDD – SvDeleteDownload in XML) subscriptionVersion for the range of TNs being disconnected to all LSMSs in the region accepting downloads for this NPA-NXX. | SP | * + - * 1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-ACTION Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid.         2. All LSMSs in the region issue an M-DELETE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.         3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS. | |

[snip]

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.19** | **SUT Priority:** | **SOA** | R | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – Service Provider Personnel perform an immediate disconnect of a single active SV. – Success | | | |

[snip]

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| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a single active subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS and specifies the TN and the current date. | NPAC | NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA. | |
| 2. | NPAC | NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the SV to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA. | SP | New SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS. | |
| 4. | NPAC | If the Status of the SV was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA, that contains the following attributes:   * start TN * end TN (CMIP only) * start SVID * end SVID (CMIP only) * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 5. | NPAC | The NPAC SMS issues an M-SET Request for the subscription version to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription version and issues an M-SET Response back to itself. | |
| 6. | NPAC | NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeDonorSP-CustomerDisconnectDatenotification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the single TN that contains the following attributes:   * start TN * end TN (CMIP only) * start SVID * end SVID (CMIP only * subscriptionVersionCustomerDisconnectDate * subscriptionEffectiveReleaseDate | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT Confirmationin CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | |
| 7. | NPAC | NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. | SP | 1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS. | |

[snip]

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.20** | **SUT Priority:** | **SOA** | C | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Code holder of the NPA-NXX of the TNs used in the subscription versions.. – Success | | | |

[snip]

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| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 5 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the ‘Primary’ SPID (SPID A) association. 2. SPID A issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A’s SOA association and specifies the TNs and the current date. | NPAC | NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA. | |
| 2. | NPAC | NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the SVs to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID A). | SP | New SP SOA (SPID A) receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS. | |
| 4. | NPAC | If the Status of the SV was set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID A), that contains the following attributes:   * TN Range and list of SVIDs (CMIP only) * paired list of TNs and SVIDs (XML only) * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | | |
| 5. | NPAC | The NPAC SMS issues an M-SET Request for the subscription versions to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription version and issues an M-SET Response back to itself. | | |
| 6. | NPAC | NPAC SMS issues an M-EVENT REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID B) for the range of 5 TNs that contains the following attributes:   * paired list of TNs and SVIDs * subscriptionVersionCustomerDisconnectDate * subscriptionEffectiveReleaseDate | SP | The Donor SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | |
| 7. | NPAC | NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. | SP | 1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS. | |

[snip]

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **2.21** | **SUT Priority:** | **SOA** | C | |
| **LSMS** | N/A | |
|  | **Objective:** | SOA – New Service Provider Personnel perform an immediate disconnect of a range of 2 Inter-Service Provider subscription versions. Secondary SPID B is the New Service Provider. Primary SPID A is the Old Service Provider and Code holder of the NPA-NXX of the TNs used in the subscription versions.NPAC SMS manages the notifications accordingly. – Success | | | |

[snip]

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| **D.** | **TEST STEPS and EXPECTED RESULTS** | | | |
| **Row #** | **NPAC or SP** | **Test Step** | **NPAC or SP** | **Expected Result** | |
| 1. | SP | 1. Using a SOA system, SPID B Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 2 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the ‘Primary’ SPID (SPID A) association. 2. SPID B issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A’s SOA association and specifies the TNs and the current date. | NPAC | NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA (SPID B). | |
| 2. | NPAC | NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to do the following:   * If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS sets the status of the SVs to “disconnect-pending”; otherwise the status is set to “sending”. * subscriptionCustomerDisconnectDate and subscriptionEffectiveReleaseDate are set according to the disconnect action. | NPAC | NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. | |
| 3. | NPAC | NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID B). | SP | New SP SOA (SPID B) receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS. | |
| 4. | NPAC | If the Status of the impacted SVs were set to “disconnect-pending”, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID B), that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionStatus = ‘disconnect-pending’ | SP | The New SP SOA (SPID (B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. | |
| 5. | NPAC | The NPAC SMS issues an M-SET Request for the subscription versions to itself to do the following:   * The subscriptionModifiedTimeStamp, and subscriptionBroadcastTimeStamp are set to the current date and time. * The status is set to “sending”. | NPAC | The NPAC SMS receives the M-SET Request for the subscription versions and issues an M-SET Response back to itself. | |
| 6. | NPAC | NPAC SMS issues a subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID A) for each of the TNs in the range that contains the following attributes:   * start TN * end TN * start SVID * end SVID * subscriptionVersionCustomerDisconnectDate * subscriptionEffectiveReleaseDate | SP | The Donor SP SOA (SPID A) receives the M-EVENT-REPORT(s) in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | |
| 7. | NPAC | NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. | SP | 1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS. | |

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **6.1** | **SUT Priority:** | **SOA** | R | |
| **LSMS** | N/A | |
|  | **Objective:** | NPAC and SOA – NPAC Personnel verify the ‘SOA Notification Priority’ tunable parameter default values for the Service Provider under test (New SP) are set to MEDIUM. New Service Provider Personnel requests NPAC Personnel to modify several of his ‘SOA Notification Priority’ tunable parameter values to NONE then perform activities that would normally result in the NPAC SMS generating the notifications that have been given priorities of NONE. Service Provider verifies that he does not receive notifications. – Success | | | |

[snip]

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| **Prerequisite NPAC Setup:** | 1. Verify that all ‘SOA Notification Priority’ tunable parameters for the Old Service Provider are defaulted to MEDIUM. 2. Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM except for the ones listed in Step 3. 3. Set the following ‘SOA Notification Priority’ tunable parameters to NONE for the Service Provider under test (New SP):  * Subscription Version New NPA-NXX Notification (L-8.0) * Subscription Version Object Creation (S-1.00) * Subscription Version Status Attribute Value Change – cancel-pending (L-11.0 G) * Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider (L-11.0 A1) * Subscription Version Status Attribute Value Change Notification – set to OLD (L-11.0 E)   [snip] |

[snip]

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| 21. | SP | 1. Using the SOA, New SP Personnel submit a disconnect request for the subscription version referenced in step 3 of the Prerequisite SP Setup above (SV3). 2. The SOA sends an M-ACTION subscriptionVersionDisconnect request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS. | NPAC | NPAC SMS receives the M-ACTION subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response in CMIP (or DISR – DisconnectReply in XML). |
| 22. |  | If the Effective Release Date was specified in the Disconnect Request with a current or past date/time, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID B) setting the status of SV3 to “disconnect-pending”. | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS. |
| 23. | SP | Donor SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. | NPAC | NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Donor SP SOA. |
| 24. | NPAC | NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA. | SP | Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS. |

[snip]

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| **A.** | **TEST IDENTITY** |  | | | |
|  | **Test Case Number:** | **6.4** | **SUT Priority:** | **SOA** | C | |
| **LSMS** | N/A | |
|  | **Objective:** | NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success  **Note**: Per IIS3\_4\_1aPart2 scenario B.7.2, this flow is not available over the XML interface. | | | |

[snip]

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| **C.** | **PREREQUISITE** |  |
|  | **Prerequisite Test Cases:** |  |
|  | **Prerequisite NPAC Setup:** | 1. Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM. 2. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. 3. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 4. After the Service Provider under test has performed the activities listed in the Prerequisite SP Setup and NPAC SMS has processed all the requests, set the following ‘SOA Notification Priority’ tunable parameters to the values indicated for the Service Provider under test:  * Object Creation = HIGH (S-1.00 * Subscription Version Cancellation Acknowledge Request = MEDIUM (L-4.0 A) * Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM (L-11.0 A1) * Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH (L-11.0 E) * Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM (L-11.0 A1.5) * Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW (L-6.0) * Number Pool Block Status Attribute Value Change Notification – HIGH (L13.0 A)   [snip] |

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| **D.** | | | **TEST STEPS and EXPECTED RESULTS** | | | |
| 1. | NPAC & SP | | NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel:   * Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Range Object Create Notifications). If the service provider under test supports MTI, set the value to False to meet the objective of this test case. * Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Range Status Attribute Value Change– Activates – To the New Service Provider Notifications) * Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Range Status Attribute Value Change – set to DISCONNECT- PENDING (if the Effective Release Date is specified with the current or a past date/time) and Subscription Version Range Status Attribute Value Change – set to OLD Notifications) * Abort your SOA association   Using the NPAC OpGUI, NPAC Personnel:   * On behalf of the New SP, disconnect the 500 subscription versions listed in Item 2 of the Prerequisite NPAC Setup (will generate Subscription Version Range Donor SP – Customer Disconnect Date Notifications) * Activate the 2 Number Pool Blocks listed in Item 3 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) * On behalf of the Old SP, cancel the 500 subscription versions listed in Item 2 of the Prerequisite SP Setup (will generate Subscription Version Range Cancellation Acknowledge Notifications). | NPAC | NPAC receives, validates, and starts processing all requests. | |

[snip]

[