NPAC SMS/Individual Service Provider Certification and Regression Test Plan

For New Entrants Certification and Existing Service Providers/Vendors Regression Testing up to and including NPAC Release 3.4.6

Chapter 9

November 30, 2013
Release 3.4.6

Table of Contents

9. Individual Turn Up Test Scenarios related to NPAC Release 2.

Section 9 contains all test cases written for individual Service Provider Turn Up testing of Release 2.x of the NPAC software. With this release of test cases a new test case format was defined.

9.1.1 ILL 75 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 1**	**Priority:**	Required
Objective:	SOA – Old Service Provider Personnel create an Inter-Service Provider Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-44
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.1 Subscription Version Create by the Initial SOA (Old Service Provider)

Test case superseded by NANC 394 functionality implemented in NPAC SMS Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 2**	**Priority:**	Required
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-44
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test case superseded by NANC 394 functionality implemented in NPAC SMS Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 3**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel, using a range of TNs, create Inter-Service Provider Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-44
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.1 Subscription Version Create by the Initial SOA (Old Service Provider)

Test case superseded by NANC 394 functionality implemented in NPAC SMS Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 4**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, using a range of TNs, create Inter-Service Provider Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-44
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test case superseded by NANC 394 functionality implemented in NPAC SMS Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 5**	**Priority:**	Required
Objective:	SOA – Service Provider Personnel create an Intra-Service Provider Subscription Version 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):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-45
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.18 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 6**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, using a range of TNs, create Intra-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):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-45
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.19 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 23**	**Priority:**	Required
Objective:	SOA – Old Service Provider Personnel modify an Inter-Service Provider Subscription Version 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):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.34 for Release 1.0

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 24**	**Priority:**	Required
Objective:	SOA – New Service Provider Personnel modify an Inter-Service Provider Subscription Version 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):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.1 for Release 1.0.

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 Live Timestamp – 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 Live Timestamp.

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 Live Timestamp.	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 attributeValueChange in CMIP (or	SP	The Service Provider SOA sends confirmation for each TN in the range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VATN – SvAttributeValueChangeNotification in XML) for each TN in the range to the Old Service Provider SOA.		
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range to the New Service Provider SOA.	SP	The New Service Provider SOA sends confirmation for each TN in the 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.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 26**	**Priority:**	Conditional
Objective:	SOA – New 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 Live Timestamp – 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 Live Timestamp.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	Using the SOA, New Service Provider personnel take action to modify the subscriptionNewSP-DueDate of Inter-Service Provider Subscription Versions for a range of TNs with a due date that is equal to the NPA-NXX Live Timestamp.	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 attributeValueChange in CMIP (or	SP	The Service Provider SOA sends confirmation for each TN in the range in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VATN – SvAttributeValueChangeNotification in XML) for each TN in the range to the Old Service Provider SOA.		
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range to the New Service Provider SOA.	SP	The New Service Provider SOA sends confirmation for each TN in the 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 New SP due date was modified to the date submitted.	NPAC	The New SP Subscription Version due date was modified correctly for the range of TNs.
6.	SP - conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions to verify the New SP due date was modified to the date submitted.	SP	The New SP Subscription Version due date was modified correctly for the range of TNs.
7.	SP– optional	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Versions to verify that the New SP due date was modified to the date submitted.	SP	The New SP Subscription Version due date was modified correctly for the range of TNs.

A. TEST IDENTITY

Test Case Number:	**ILL 75 –27**	**Priority:**	Required
Objective:	SOA – Old Service Provider Personnel modify an Inter-Service Provider, Port-to-Original Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 –28**	**Priority:**	Required
Objective:	SOA – New Service Provider Personnel modify an Inter-Service Provider, Port-to-Original Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
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:**	

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 –29**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel, using a range of TNs, modify Inter-Service Provider, Port-to-Original Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 –30**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, using a range of TNs, modify Inter-Service Provider, Port-to-Original Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 31**	**Priority:**	Required
Objective:	SOA – Service Provider Personnel modify an Intra-Service Provider Subscription Version specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

A. TEST IDENTITY

Test Case Number:	**ILL 75 - 32**	**Priority:**	Required
Objective:	SOA – Service Provider Personnel, using a range of TNs, modify Intra-Service Provider Subscription Versions specifying a due date that is prior to the NPA-NXX Effective Date – Error (Note: This error may be caught by either the SOA or NPAC SMS.)		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 75 – Validate due date is equal to or greater than the NPA-NXX effective date upon Pending Version Creation
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	none
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case superseded by NANC 394-3 implemented in NPAC Release 3.3.

9.1.2 ILL 79 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**ILL 79 – 1**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, using their SOA system, where SOA Network Data Download Association Function is set to 'ON', issue a Network Data and Notification Recovery Request by specifying a Time Range – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.2 Sequencing of Events on Initialization/Resynchronization of SOA

Test Case procedures incorporated into test case 187-4 from Release 3.2.

A. TEST IDENTITY

Test Case Number:	**ILL 79 - 2**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel, using their LSMS system, where LSMS Network and Subscription Data Download Association Function is set to 'ON', issue a Network Data and Notification Recovery Request by specifying a Time Range – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-29, RR6-30, RR6-31, RR6-32, RR6-34
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.1 Sequencing of Events on Initialization/Resynchronization of LSMS

Test Case procedures incorporated into test case 187-1 from Release 3.2.

A. TEST IDENTITY

Test Case Number:	**ILL 79 - 3**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, using their SOA system, issue a Notification Recovery Request specifying a Time Range that exceeds the Maximum Download Duration Tunable on the NPAC SMS – Error **Note:** Per IIS3_4_1aPart2 scenario B.7.2 or B.7.3, this flow is not available over the XML interface.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-31
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

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:	1. Adjust download duration time to less than one hour (e.g., 30 minutes). 2. While the SOA System is not associated with the NPAC SMS, NPAC personnel perform the following functions : • Issue the first create for an Inter-Service Provider Subscription Version using an NPA-NXX that has never been ported before, on behalf of the Old Service Provider and where the Service Provider Under Test is the New Service Provider, let the Initial and Final Concurrence timers expire (NPAC SMS issues objectCreation, subscriptionVersionNewSP-CreateRequest and subscriptionVersionStatusAttributeValueChange(cancel) (SV1)). • Issue an Immediate Disconnect for a Subscription Version where the Service Provider Under Test is the Donor Service Provider (NPAC SMS issues the subscriptionVersionDonorSP-CustomerDisconnectDate and subscriptionVersionStatusAttributeValueChange (old) notifications (SV2)). • Prior to Disconnecting, Service Provider SOA issued an Audit and then disconnected the SOA from the NPAC SMS, the Audit should result in discrepancies (NPAC SMS issues the subscriptionAuditDiscrepancyRpt notification, subscriptionAuditResults and objectDeletion notifications). • Issue a Scheduled Downtime Notification (NPAC SMS issues the lnpNPAC-SMS-Operational-Information notification). • Issue an Activate request for an Inter-Service Provider Subscription Version on behalf of the New Service Provider (NPAC SMS issues a subscriptionVersionStatusAttributeValueChange (partial-failure) notifications (SV3)). • Issue a Cancel request for a pending Inter-Service Provider Subscription Version for which both Service Providers have concurred to the pending port, on behalf of the New Service Provider, let the Cancellation Initial Concurrence Timer expire (NPAC SMS issues the subscriptionVersionCancellationAcknowledgeRequest and subscriptionVersionStatusAttributeValueChange(cancel-pending) notifications (SV4)). • Issue a Create request for a range of two pending Subscription Versions that were initially created by the New Service Provider, on behalf of the Old Service Provider, where the Authorization Flag is set to "False" and the Cause Code is provided (NPAC issues a subscriptionVersionStatusAttributeValueChange(conflict) and attributeValueChange notifications (SV5 and SV6)). • Issue an Activate request for a range of two Inter-Service Provider Subscription Versions on behalf of the New Service Provider, where the broadcast to the LSMSs goes into a Partial Failure status (NPAC issues a subscriptionVersionStatusAttributeValueChange (partial-failure) notification (SV7 and SV8)).
Prerequisite SP Setup:	The Service Provider should 'dis-associate' their SOA to NPAC SMS connection.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel using their SOA System, establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current events.
2.	SP	The SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS to recover Notifications by time range with the criteria set to a Time Range greater	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA and determines the request exceeds the Maximum Download Duration Tunable on the NPAC SMS. **(this violates system requirements)**

		than the Maximum Download Duration Tunable on the NPAC SMS.		2. The NPAC SMS rejects the recovery request. 3. The NPAC SMS issues an M-ACTION Response to the SOA system indicating the request failed due to 'time-range-invalid'. 4. SOA may retry with smaller time range
3.	NPAC	NPAC Personnel verify the error and no notifications were sent.	NPAC	The 'time-range-invalid' error reply is sent and no notifications were recovered.
4.	SP - Optional	SP Personnel, using the SOA, perform a local query to verify that no notifications were received.	SP	No notifications were received.

A. TEST IDENTITY

Test Case Number:	**ILL 79 - 4**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel, using their LSMS system, issue a Notification Recovery Request specifying a Time Range that exceeds the Maximum Download Duration Tunable on the NPAC SMS – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-31
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.1 Sequencing of Events on Initialization/Resynchronization of LSMS

Test Case procedures incorporated into test case 8.4 for Release 3.0.

A. TEST IDENTITY

Test Case Number:	**ILL 79 - 5**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, using their SOA system, where the SOA Network Data Download Association Function is set to 'OFF', issue a Notification Recovery Request by specifying a Time Range – Success. **Note:** Per IIS3_4_1aPart2 scenario B.7.3, this flow is not available over the XML interface.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

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:	While the SOA is 'dis-associated' from the NPAC SMS, NPAC personnel perform the following functions: 1. Issue a create for a new NPA-NXX. 2. Issue the first create for an Inter-Service Provider Subscription Version using an NPA-NXX that has never been ported before, on behalf of the Old Service Provider and where the Service Provider Under Test is the New Service Provider, let the Initial and Final Concurrence timers expire (NPAC SMS issues objectCreation, subscriptionVersionNewNPA-NXX, subscriptionVersionNewSP-CreateRequest and subscriptionVersionStatusAttributeValueChange(cancel) (SV1)). 3. Issue an Immediate Disconnect for a Subscription Version where the Service Provider Under Test is the Donor Service Provider (NPAC SMS issues the subscriptionVersionDonorSP-CustomerDisconnectDate and subscriptionVersionStatusAttributeValueChange(old) notifications (SV2)). 4. Prior to Disconnecting, Service Provider SOA issued an Audit and then disconnected the SOA from the NPAC SMS, the Audit should result in discrepancies (NPAC SMS issues the subscriptionAuditDiscrepancyRpt notification, subscriptionAuditResults and objectDeletion notifications). 5. Issue a Scheduled Downtime Notification (NPAC SMS issues the lnpNPAC-SMS-Operational-Information notification). 6. Issue an Activate request for an Inter-Service Provider Subscription Version on behalf of the New Service Provider (NPAC SMS issues a subscriptionVersionStatusAttributeValueChange (partial-failure) notifications (SV3)). 7. Issue a Cancel request for a pending Inter-Service Provider Subscription Version for which both Service Providers have concurred to the pending port, on behalf of the New Service Provider , let the Cancellation Initial Concurrence Timer expire (NPAC SMS issues the subscriptionVersionCancellationAcknowledgeRequest and subscriptionVersionStatusAttributeValueChange(cancel-pending) notifications (SV4)). 8. Issue a Create request for a range of two pending Subscription Versions that were initially created by the New Service Provider, on behalf of the Old Service Provider, where the Authorization Flag is set to "False" and the Cause Code is provided (NPAC issues a subscriptionVersionStatusAttributeValueChange(conflict) and attributeValueChange notifications (SV5 and SV6)). 9. Issue an Activate request for a range of two Inter-Service Provider Subscription Versions on behalf of the New Service Provider, where the broadcast to the LSMSs goes into a Partial Failure status (NPAC issues a subscriptionVersionStatusAttributeValueChange (partial-failure) notification (SV7 and SV8)). NOTE: If the Service Provider under test supports Optional Data information or Medium Timer Indicator, include these attribute values in appropriate subscription version requests.
Prerequisite SP Setup:	1. Initiate an Audit of a specific Service Provider that results in at least one discrepancy. 2. 'The Service Provider should 'dis-associate' their SOA to NPAC SMS connection. 3. Do NOT send the lnpRecoveryComplete message (step 6) to the NPAC, until AFTER the NPAC has exhausted the 3x5 timer for objectCreation (step 5).

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel using their SOA System, establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current events.

2	SP	The SOA system issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS to recover Notifications by time range, with a Time Range of 1 hour or less.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA with the following notifications for the time range specified, including: • objectCreation (SV1) • subscriptionVersionNewNPA-NXX (SV1) • subscriptionVersionStatusAttributeValueChange (cancel, SV1) • subscriptionVersionNewSP-CreateRequest(SV1) • subscriptionVersionDonorSP-CustomerDisconnectDate (SV2) • subscriptionVersionStatusAttributeValueChange (SV2) • subscriptionAuditDiscrepancyRpt • subscriptionAuditResults • objectDeletion (for the cancelled audit) • lnpNPAC-SMS-Operational-Information • subscriptionVersionStatusAttributeValueChange (partial-failure, SV3, failed-SP-List) • subscriptionVersionCancellationAcknowledgeRequest(SV4) • subscriptionVersionStatusAttributeValueChange (cancel-pending, SV4) • attributeValueChange (SV5 and SV6) • subscriptionVersionStatusAttributeValueChange (conflict, SV5 and SV6) • subscriptionVersionStatusAttributeValueChange (partial-failure, SV7 and SV8) 2. The NPAC SMS returns timer type, business hours, and WSMSC data, if the Service Provider supports that data.
3.	SP	As soon as the M-ACTION Request is received, NPAC personnel issue a create for an Intra-Service Provider Subscription Version for the SOA that is in recovery.	NPAC	The NPAC SMS receives the SV Create Request and performs the following validations: • Verify that each attribute specified is valid according to system requirements. • Verify that the Old Service Provider ID is the same as the SPID of the currently active SV or the same as the NPA-NXX Holder.
4.	SP	NPAC SMS issues an M-CREATE Request to itself to create the subscriptionVersionNPAC object (subscription version). • The subscription version status is set to 'pending'. • The subscriptionOldSP-AuthorizationTimeStamp, subscriptionNewSP-AuthorizationTimeStamp, subscriptionCreationTimeStamp and subscriptionModifiedTimeStamp	NPAC	The NPAC SMS issues an M-CREATE Response to itself.

		are set.		
5	SP	The NPAC SMS checks to see if the M-EVENT-REPORT objectCreation can be sent to the Service Provider SOA.	NPAC	The NPAC SMS does NOT issue the M-EVENT-REPORT objectCreation to the Service Provider SOA, since the SOA is still in recovery mode.
6	SP	The Service Provider's SOA system issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA system and issues an M-ACTION Response back. 2. The NPAC SMS sees the SOA exit recovery. 3. NPAC sends any queued up events (objectCreation notification from Test Step 5).
7	NPAC	NPAC Personnel verify the notifications were sent to the SOA.	NPAC	All the notifications listed above were successfully sent to the SOA in the M-ACTION reply.
8	SP - Optional	SP Personnel, using the SOA, perform a local query for the network data, and various subscription versions and notifications to verify that they were received.	SP	The appropriate notifications were received.

A. TEST IDENTITY

Test Case Number:	**ILL 79 – 6**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, using their SOA system, where SOA Network Data Download Association Function is set to 'ON', issue a Network Data and Notification Recovery Request by specifying a Time Range with a filter on an NPA-NXX that is used – Success **Note:** Per IIS3_4_1aPart2 scenario B.7.3, this flow is not available over the XML interface.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-29, RR6-30, RR6-31, RR6-32, RR6-33
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

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:	While this SOA System is not associated with the NPAC SMS, NPAC personnel perform the following functions: 1) Issue a create for a new NPA-NXX. 2) Create an NPA-NXX filter for the NPA-NXX used for Step 1. 3) Issue a create for a new NPA-NXX. 4) Create and Activate an Intra-Service Provider port using the just created NPA-NXX. (NPAC SMS issues subscriptionVersionNewNPA-NXX, objectCreation and subscriptionVersionStatusAttributeValueChange (active) notifications (SV1)) 5) Activate a pending port where the Service Provider Under Test is the Old Service Provider for an NPA-NXX not filtered for the Service Provider Under Test. (NPAC SMS issues subscriptionVersionStatusAttributeValueChange (active) notification (SV2)).
Prerequisite SP Setup:	'Disassociate' your SOA.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel using their SOA System, establish an	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is

		association to the NPAC SMS with the Resynchronization Flag set to 'ON' .		established, NPAC SMS queues all current notifications.
2.	SP	The SOA issues an M-ACTION Request lnpDownload to the NPAC SMS with for a network data download with the criteria set to a specified start time for all service providers, for all network data.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA which does NOT include the newly created NPA-NXX.
3.	SP	The SOA system issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS to recover Notifications by time range, with a Time Range of 1 hour or less.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA with the subscriptionVersionStatusAttributeValueChange (active) notification. 2. The NPAC SMS returns timer type, business hours, and WSMSC data, if the Service Provider supports that data.
4.	SP	The Service Provider's SOA system issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA system and issues an M-ACTION Response back. 2. The NPAC SMS sees the SOA exit recovery. 3. NPAC sends any queued up events.
5.	NPAC	NPAC Personnel verify the notifications were sent to the SOA.	NPAC	All the notifications listed above were successfully sent to the SOA in the M-ACTION reply.
6.	SP - Optional	SP Personnel, using the SOA, perform a local query for the network data, and various subscription versions and notifications to verify that they were received.	SP	The appropriate network data, subscription versions, and notifications were received.

A. TEST IDENTITY

Test Case Number:	**ILL 79 - 7**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel, using their LSMS system, where LSMS Network and Subscription Data Download Association Function is set to 'ON', issue a Network Data and Notification Recovery Request by specifying a Time Range with an NPA-NXX filter in place – Success **Note:** Per IIS3_4_1aPart2 scenario B.7.1, this flow is not available over the XML interface.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	ILL 79 – Notification Recovery
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR6-29, RR6-30, RR6-31, RR6-32, RR6-34
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.7.1 Sequencing of Events on Initialization/Resynchronization of LSMS

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:	While the LSMS is 'dis-associated' from the NPAC SMS, NPAC personnel perform the following functions: • Create an NPA-NXX filter for the NPA-NXX used for Step 2. • Issue a create for a new NPA-NXX. • Create and Activate an Intra-Service Provider port using the just created NPA-NXX. (NPAC SMS issues subscriptionVersionNewNPA-NXX notification and M-CREATE (SV1)) • Activate a pending port for an NPA-NXX not filtered for the Service Provider Under Test. (NPAC SMS issues M-CREATE (SV2))
Prerequisite SP Setup:	The Service Provider LSMS should be 'dis-associated' while NPAC Personnel are performing the set-up specified above.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Service Provider Personnel, using their LSMS system establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'	NPAC	The NPAC SMS receives the association bind request from the Service Provider's LSMS system. Once the association is established, the NPAC SMS queues up all events.
2.	SP	The LSMS issues an M-ACTION Request lnpDownload to the NPAC SMS for a network data download with the criteria set to a specified start time for all service providers, for all network data.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA, and issues an M-ACTION Response to the SOA which does NOT include the newly created NPA-NXX.

3.	SP	The LSMS issues an M-ACTION Request lnpDownload to the NPAC SMS with a specified start time for subscription version data download.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the Service Provider's LSMS system and issues an M-ACTION Response with the necessary updates, including the M-CREATE Request subscriptionVersion for SV2. 2. The NPAC SMS returns WSMSC data, if the Service Provider supports that data.
4	SP	The LSMS issues an M-ACTION Request lnpNotificationRecovery with a specified start time for notification recovery.	NPAC	The NPAC SMS receives the M-ACTION Request from the Service Provider's LSMS system and issues an M-ACTION Response which does not include any notifications.
5.	SP	The LSMS issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to 'OFF'.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the respective LSMS and issues an M-ACTION Response. 2. The NPAC SMS sees the LSMS exit recovery. 3. NPAC sends any queued up events. (objectCreation notification from Test Step 5).
6.	NPAC	NPAC Personnel verify the notifications were sent to the LSMS.	NPAC	All the notifications listed above were successfully sent to the LSMS in the M-ACTION reply.
7.	SP - Optional	SP Personnel, using the LSMS, perform a local query for the subscription version create received.	SP	
8.	NPAC	NPAC Personnel perform a full audit for the subscription versions activated during this test case.	NPAC	Using the Audit Results Log, verify that no updates were issued as a result of performing the audit. If updates were issued, the test case fails.

9.1.3 NANC 22 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 22-1**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel issue a Subscription Version query that exceeds the maximum subscriber query tunable and verifies that the complexity limitation error is returned – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 22 – IIS Version 1.4 Flow 6.5.6 Modification
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-30.1 R4-30.2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.6 Subscription Version Query

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:	Verify that there are Subscription Versions that can be queried such that the number of Subscription Versions being queried exceeds the maximum subscriber query tunable.
Prerequisite SP Setup:	

Test Case procedures are incorporated into NANC 285-1, release 3.3 testing.

A. TEST IDENTITY

Test Case Number:	**NANC 22-2**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel issue a Subscription Version query that exceeds the maximum subscriber query tunable and verifies that the complexity limitation error is returned - Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 22 – IIS Version 1.4 Flow 6.5.6 Modification
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-30.1 R4-30.2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.6 Subscription Version Query

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:	Verify that there are Subscription Versions that can be queried such that the number of Subscription Versions being queried exceeds the maximum subscriber query tunable.
Prerequisite SP Setup:	

Test Case procedures are incorporated into NANC 285-2, release 3.3 testing.

9.1.4 NANC 23 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 23-1**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel create an audit using another Service Provider's ID – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 23 - IIS Version 1.4 Flow 6.2.1 Modification
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.2.1 – SOA Initiated Audit

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:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider personnel issue an audit for Subscription Versions using another Service Provider's ID as the audit requestor.	SP	The SOA issues an M-CREATE Request in CMIP (or ACRQ – AuditCreateRequest in XML) for subscriptionAudit to the NPAC SMS with the subscriptionAuditRequestingSP set to another service provider id.
2.	NPAC	The NPAC SMS accepts the M-CREATE Request in CMIP (or ACRQ – AuditCreateRequest in XML) from the Service Provider.	NPAC	1. The NPAC SMS determines that the subscriptionAuditRequestingSP for the subscriptionAudit is set to a value other than the service provider id specified in the access, **this violates system requirements**. 2. The NPAC SMS issues an M-CREATE error response in CMIP (or ACRR – AuditCreateReply in XML).
3.	SP	The SOA receives the M-CREATE Error Response in CMIP indicating a **processingFailure** error with a text message: "requesting SPID mismatch for M-CREATE	SP	The audit was not initiated.

		subscriptionAudit:reqSpid=xxxx:acSpid=xxxx" (or ACRR – AuditCreateReply in XML).		
4.	NPAC	NPAC Personnel query for the audit to verify that it was not created.	NPAC	The audit was not created.
5.	SP – conditional	Service Provider Personnel, using the SOA/SOA LTI, perform an NPAC query for the audit to verify that it was not created.	SP	The audit was not created.
6.	SP - optional	Service Provider Personnel, using their SOA, perform a local query for the audit to verify that it was not created.	SP	The audit was not created.

9.1.5 NANC 48 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 48-1**	**Priority:**	Required
Objective:	NPAC OP GUI – NPAC Personnel assign an 'Associated' Service Provider ID to a 'Primary' Service Provider ID – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-16, RR3-18, RR3-19
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	N/A

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:	Verify that at least two Service Provider Profiles exist on the NPAC SMS (SPID 'A' and SPID 'B') that currently do not have another Service Provider associated to them for Service Bureau functionality.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel assign/associate one Service Provider Profile to another (SPID 'B' is assigned/associated to SPID 'A').	NPAC	1. The NPAC SMS verifies that both Service Provider Profiles exist on the NPAC SMS. 2. The NPAC SMS verifies that Service Provider 'B' is not already specified as either a 'Primary' or 'Associated' Service Provider. 3. The NPAC SMS verifies that this is a valid request and associates the two Service Providers in the Multiple Association Table on the NPAC SMS.
2.	NPAC	NPAC Personnel query for SPID 'A's' Service Provider Profile which they have just assigned/associated as a 'Primary' Service Provider to SPID 'B'.	NPAC	Verify that SPID 'A's' Service Provider Profile is now indicated as a 'Primary' Service Provider ID.
3.	NPAC	NPAC Personnel query for SPID 'B's' Service Provider Profile which they have just assigned/associated as an 'Associated' Service Provider to	NPAC	Verify that SPID 'B's' Service Provider Profile is now indicated as an 'Associated' Service Provider ID to SPID 'A'.

		SPID ‘A’.		

A. TEST IDENTITY –

Test Case Number:	**NANC 48-2**	***PRIORITY:***	Conditional
Objective:	SOA – 'Associated' SPID 'B' creates an LRN (at least 4 Service Providers are configured to operate in this region, 1 'Primary' SPID ('A'), 2 'Associated' SPIDs ('B' and 'C') and one other SPID 'D' – neither Primary or Associated) SPID 'B', and SPID 'D' are configured with their SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON', SPID 'A' and SPID 'C' is configured with their SOA Network Data Download Association Function set to 'OFF' and their LSMS Network and Subscription Data Download Association Function is set to 'ON' - Success		

B. REFERENCES

NANC Change Order Revision Number:		***CHANGE ORDER NUMBER(S):***	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-26, RR3-2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.4.2.2 LRN Creation by the SOA

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:	1. Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'. 2. Verify that SPID 'D' exist on the NPAC SMS – not a 'Primary' or 'Associated' SPID. 3. Verify that SPID 'B' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function and the LSMS Network and Subscription Data Download Association Function set to 'ON'. 4. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function set to 'OFF' and the LSMS Network and Subscription Data Download Association Function set to 'ON'. 5. Verify that the LRN does not exist on the NPAC SMS for which SPID 'B' is going to create a respective Subscription Version.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	Using a SOA System, Service Provider 'B' Personnel submit a request to the NPAC SMS to create an LRN which does not already exist on the NPAC SMS. The 'Primary' SPID 'A' SOA issues	NPAC	1. The NPAC SMS receives the Request for the LRN from the 'Primary' SPID ('A') for 'Associated' SPID 'B' (via SPID 'A's' SOA association). 2. The NPAC SMS verifies that the Service Provider creating the LRN information is the

		an M-CREATE Request serviceProvLRN in CMIP (or LRCQ – LrnCreateRequest in XML) to the NPAC SMS, on behalf of SPID 'B'.		same as the Service Provider that owns the network data. 3. The NPAC SMS issues an M-CREATE Response in CMIP (or LRCR – LrnCreateReply in XML) back to 'Associated' SPID 'B' under the 'Primary' SPID 'A' association.
2.	NPAC	1. The NPAC SMS sends an M-CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all LSMSs that have their LSMS Network and Subscription Data Download Association Function 'ON'. (SPID 'A', 'B', 'C' and 'D' in this scenario.) 2. The NPAC SMS sends an M-CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all SOAs that have their SOA Network Data Download Association Function 'ON'. (SPID 'B', and 'D' in this scenario.)	SP	1. All LSMSs in the region that are accepting downloads for the serviceProvNPA-NXX issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 2. All SOAs in the region that are accepting downloads for the serviceProvNPA-NXX issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
3.	SP optional	Service Provider 'A' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	1. Verify that the LRN DOES NOT exist on your local SOA system. 2. Verify that the LRN DOES exist on your local LSMS system and belongs to Service Provider 'B'.
4.	SP optional	Service Provider 'B' Personnel query their local SOA and LSMS system for the LRN that SPID 'B' Service Provider Personnel just created on the NPAC SMS.	SP	Verify that the LRN exists on your local SOA and LSMS systems, and belongs to Service Provider 'B'.
5.	SP optional	Service Provider 'C' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	1. Verify that the LRN DOES NOT exist on your local SOA system. 2. Verify that the LRN DOES exist on your local LSMS system and belongs to Service Provider 'B'.
6.	SP optional	Service Provider 'D' Personnel query their local SOA and LSMS system for the LRN that was just created by SPID 'B' Service Provider Personnel.	SP	Verify that the LRN exists on both your local SOA and LSMS systems, and belongs to Service Provider 'B'.

A. TEST IDENTITY

Test Case Number:	**NANC 48-3**	***PRIORITY:***	Conditional
Objective:	NPAC OP GUI – NPAC Personnel create a Service Provider Profile for a New Service Provider in a region where 'Primary' and 'Associated' Service Providers exist. (At least 4 Service Providers are configured to operate in this region, 1 'Primary' SPID ('A'), 2 'Associated' SPIDs ('B' and 'C') and one other SPID 'D' (neither Primary or Associated). SPID 'B', and SPID 'D' are configured with their SOA Network Data Download Association Function set to 'ON' and their LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' and SPID 'C' are configured with their SOA Network Data Download Association Function set to 'OFF'. SPID 'A's' LSMS Network and Subscription Data Download Association Function is set to 'OFF'. SPID 'C's' LSMS Network and Subscription Data Download Association Function is set to 'ON' – Success		

B. REFERENCES

NANC Change Order Revision Number:		***CHANGE ORDER NUMBER(S):***	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-26
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.3.1 Service Provider Creation by the NPAC

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:	1. Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'. 2. Verify that SPID 'D' exist on the NPAC SMS – not a 'Primary' or 'Associated' SPID. 3. Verify that SPID 'B' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function set to 'ON' and their LSMS Network and Subscription Data Download Association Function set to 'ON'. 4. Verify that SPID 'A' and SPID 'C' Profiles are configured with the SOA Network Data Download Association Function set to 'OFF'. 5. Verify that SPID 'A' is configured with an LSMS Network and Subscription Data Download Association Function set to 'OFF'. 6. Verify that SPID 'C' is configured with an LSMS Network and Subscription Data Download Association Function set to 'ON'. 7. Verify that the Service Provider Profile that you are going to create DOES NOT already exist on the NPAC SMS.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	NPAC	1. Using the NPAC OP GUI, NPAC Personnel create a New Service Provider on the NPAC SMS. 2. The NPAC SMS issues an M-CREATE Request serviceProv to itself.	NPAC	1. The NPAC SMS verifies that the serviceProv object does not already exist. 2. The NPAC SMS issues an M-CREATE Response serviceProv to itself.
2.	NPAC	The NPAC SMS issues an M-CREATE Request serviceProvNetwork to itself in order to create the Service Provider object.	NPAC	The NPAC SMS issues an M-CREATE serviceProvNetwork Response to itself indicating the Service Provider object was successfully created on the NPAC SMS.
3.	NPAC	1. The NPAC SMS issues an M-CREATE Request in CMIP (or SPCD – SpidCreateDownload in XML) for the serviceProvNetwork object to each LSMS in the region that is configured with an LSMS Network Data Download Indicator set to 'ON'. 2. The NPAC SMS issues an M-CREATE Request in CMIP (or SPCD – SpidCreateDownload in XML) for the serviceProvNetwork object to each SOA in the region that is configured with a SOA Network Data Download Association Function set to 'ON'.	SP	1. Each LSMS in the region that is configured to accept this Network Data, receives the NPAC SMS broadcast and issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 2. Each SOA in the region that is configured to accept this Network Data, receives the NPAC SMS broadcast and issues an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Service Provider Profile that was just created on the NPAC SMS.	NPAC	1. Verify that the Service Provider Profile exists on the NPAC SMS. 2. Verify that the SPID is not indicated as either a 'Primary' or 'Associated' SPID.
5.	SP optional	Service Provider 'A' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	1. Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your SOA system. 2. Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your LSMS system.
6.	SP optional	Service Provider 'B' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	1. Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your SOA system. 2. Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your LSMS system.
7.	SP optional	Service Provider 'C' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	1. Verify that the Service Provider Profile that was just created on the NPAC SMS DOES NOT exist on your SOA system. 2. Verify that the Service Provider Profile that was just created on the NPAC SMS exists on your LSMS system.

8.	SP optional	Service Provider 'D' Personnel query for the Service Provider Profile that was just created on the NPAC SMS on their local SOA and LSMS systems.	SP	Verify that the Service Provider Profile that was just created on the NPAC SMS exists on both your SOA and LSMS systems.

A. TEST IDENTITY

Test Case Number:	**NANC 48 – 4**	**Priority:**	Required
Objective:	NPAC OP GUI – NPAC Personal verify that a Service Provider that is functioning properly as neither a Primary nor Associated SPID can function properly as an Associated SPID, be dis-associated from its Primary SPID and again function properly as neither a Primary nor Associated SPID		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.5 Subscription Version Activated by New Service Provider SOA B.5.1.6 Active SubscriptionVersion Create on Local SMS

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:	1. Verify that at least 4 Service Providers are configured on the NPAC SMS. 2. Verify that SPID ‘A’ exists as a ‘Primary’ SPID, and is configured with SOA and LSMS Network Data Download Indicators set to ‘ON’. SPID ‘A’ has filters set such that they will receive downloads for this NPA-NXX. 3. Verify that SPID ‘B’ is configured as a ‘regular’ Service Provider – neither an ‘Associated’ nor a ‘Primary’ Service Provider. 4. Verify SPID ‘B’ is configured with SOA and LSMS Network Data Download Indicators set to ‘ON’. SPID ‘B’ has filters set such that they will receive downloads for this NPA-NXX. 5. Verify that SPID ‘C’ is an ‘Associated’ SPID to SPID ‘A’. 6. Verify SPID ‘C’ is configured with a SOA Network Data Download Association Function set to ‘OFF’ and an LSMS Network and Subscription Data Download Association Function set to ‘ON’. SPID ‘C’ has a filter set in order to NOT receive downloads for the NPA-NXX you are going to specify in the SV Create. 7. Verify that SPID ‘D’ is configured on the NPAC SMS as neither a ‘Primary’ nor an ‘Associated’ SPID and SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to ‘ON’. 8. Verify that SPID ‘D’ has filters set such that they will receive downloads for this NPA-NXX. 9. Verify that there have not been any ports against this NPA-NXX for which you are going to create an Inter-SP Subscription Version.

Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	1. SPID 'B', as a 'regular' New Service Provider (neither an 'Associated' nor a 'Primary' Service Provider) submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with SPID 'A' as the Old Service Provider. 2. SPID 'A' concurs to the NewSPCreate.	NPAC	The NPAC SMS successfully creates a 'pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.
2.	NPAC	The NPAC SMS sends an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
3.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the Subscription Version created in Test Step 1.	NPAC	The NPAC SMS sets the Subscription Version status to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.
4.	NPAC	The NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	1. All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. 2. The NPAC SMS sets the Subscription Version status to 'active'.
5.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
6.	NPAC	NPAC Personnel associate SPID 'B' to Primary SPID 'A'.	NPAC	Verify that SPID 'B' now exists as an 'Associated' SPID of Primary SPID 'A'.
7.	SP	1. SPID 'B', as an 'Associated' New Service Provider of SPID 'A' submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML)	NPAC	The NPAC SMS successfully creates a 'Pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.

		with SPID 'A' as the Old Service Provider. 2. SPID 'A' concurs to the NewSPCreate.		
8.	NPAC	The NPAC SMS sends an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
9.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the Subscription Version created in Test Step 7.	NPAC	The NPAC SMS sets the Subscription Version status to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.
10.	NPAC	The NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	1. All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. 2. The NPAC SMS sets the Subscription Version status to 'active'.
11.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
12.	NPAC	NPAC Personnel dis-associate SPID 'B' from Primary SPID 'A'.	NPAC	Verify that SPID 'B' no longer exists as an 'Associated' SPID of Primary SPID 'A'.
13.	SP	1. SPID 'B', as a 'regular' New Service Provider (neither an 'Associated' nor a 'Primary' Service Provider) submits a valid Inter-service Provider Subscription Version Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with SPID 'A' as the Old Service Provider. 2. SPID 'A' concurs to the NewSPCreate.	NPAC	The NPAC SMS successfully creates a 'Pending' Subscription Version and sends an action reply in CMIP (or NCRR – NewSpCreateReply in XML) with success or failure and reasons for failure.
14.	NPAC	The NPAC SMS sends an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOA each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
15.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ –	NPAC	The NPAC SMS sets the Subscription Version status to 'sending' and responds with an M-ACTION in CMIP (or ACTR – ActivateReply in XML.

		ActivateRequest in XML) to the NPAC SMS for the Subscription Version created in Test Step 13.		
16.	NPAC	The NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version.	SP	1. All LSMSs that are accepting downloads for the NPA-NXX of the TN used in the Subscription Version respond in CMIP (or DNLR – DownloadReply in XML) successfully. 2. The NPAC SMS sets the Subscription Version status to 'active'.
17.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old and New Service Provider SOAs.	SP	The Old and New Service Provider SOAs each issue an M-EVENT-REPORT Confirmation success in CMIP (or NOTR – NotificationReply in XML to the NPAC SMS.
18.	NPAC	NPAC Personnel perform a query for the three Subscription Versions that were created and activated.	NPAC	The three Subscription Versions exist with a status of 'Active'.
19.	SP – conditional	SP Personnel, using either their SOA or SOA LTI, perform an NPAC query for the three Subscription Versions that were created and activated.	SP	The three Subscription Versions exist with a status of 'Active'.
20.	SP-optional	Service Provider Personnel perform a local query for the three Subscription Versions that were created and activated.	SP	The three Subscription Versions exist with a status of 'Active'.
21.	NPAC	NPAC Personnel perform a full audit for the TNs associated with the Subscription Versions that were manipulated during this test case.	NPAC	Using the Audit Results Log verify that no updates were issued as a result of performing the audit. If any updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 48-5**	**Priority:**	Conditional
Objective:	SOA – 'Primary' Service Provider Personnel, initiate Notification Recovery over their SOA to NPAC Interface to recover messages for both their 'Primary' and 'Associated' SPIDs- Success **Note:** Per IIS3_4_1aPart2 scenario B.7.2 or B.7.3, this flow is not available over the XML interface.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-28, RR3-29
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.7.3 Sequencing of Events on Initialization/Resynchronization of SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC 48-1 NPAC OP GUI – NPAC Personnel assign an 'Associated' Service Provider ID to a 'Primary Service Provider ID – Success

Prerequisite NPAC Setup:	1. Verify that SPID 'B' is established as an 'Associated' SPID (to SPID 'A') on the NPAC SMS with a SOA Network Data Download Association Function set to 'OFF'. 2. Verify that SPID 'C' is established as an 'Associated' SPID (to SPID 'A') on the NPAC SMS with SOA Network Data Download Association Function set to 'ON'. 3. Verify that SPID 'A' is established as a 'Primary' SPID on the NPAC SMS with SOA Network Data Download Association Function set to 'OFF' . 4. Verify that all LSMSs in the region are properly associated to the NPAC SMS. 5. While SPID 'A', SPID 'B', and SPID 'C' do not have an association with the NPAC SMS, NPAC Personnel perform the following functions via the NPAC OP GUI: • Issue an Old Service Provider Subscription Version Create (SV1) using an NPA-NXX which has never been ported before and where SPID 'B' is the Old Service Provider and SPID 'A' is the New Service Provider – let the timers expire. (objectCreation for SV1) (subscriptionVersionNewSP-Concurrence Request for SV1) (subscriptionVersionNewSP-Final Concurrence Window Expiration for SV1) (subscriptionVersionStatusAttributeValueChange setting SV1 to 'cancelled') (subscriptionVersionNewNPA-NXX for SV1) • Issue a Subscription Version Disconnect (SV2) where SPID 'B' is the Donor Service Provider and SPID 'C' is the Current Service Provider. (subscriptionVersionDonorSPCustomerDisconnectDate for SV2) (subscriptionVersionStatusAttributeValueChange setting SV2 to 'old') • Issue an Activate for a pending Subscription Version (SV3) for which both the Old and New SP have concurred and Service Provider 'B' is the New Service Provider and Service Provider 'C' is the Old Service Provider. (subscriptionVersionStatusAttributeValueChange setting SV3 to 'active') • Issue a Scheduled Downtime Notification. (lnpNPAC-SMS-OperationalInformation) • Issue a New Service Provider Subscription Version Create (SV4) where SPID 'B' is the New Service Provider and SPID 'C' is the Old Service Provider – let the timers expire. (objectCreation for SV4) (subscriptionVersionOldSP-Concurrence Request for SV4) (subscriptionVersionOldSP-Final Concurrence Window Expiration for SV4) NOTE: If the Service Provider under test supports Optional Data information or Medium Timer Indicator, include these attribute values in appropriate subscription version requests.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA System, SPID 'A' Service Provider Personnel establish an association to the NPAC SMS with the Resynchronization Flag set to 'ON'.	NPAC	The NPAC SMS receives the association bind request from the SOA and queries all current notifications.
2.	SP	SPID 'A's' SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS for (Primary) SPID 'A' indicating a time range of one hour or less.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.

3.	NPAC	The NPAC SMS issues an M-ACTION Response to the SPID 'A's' SOA with the following information for (Primary) SPID 'A': • objectCreation for SV1 • subscriptionVersionNewSP-Concurrence Request for SV1 • subscriptionVersionNewSP-Final Concurrence Window Expiration for SV1 • subscriptionVersionStatusAttributeValueChange for SV1 updating the SV status to 'cancelled' • lnpNPAC-SMS-Operational-Information	SP	The SOA receives the M-ACTION Response from the NPAC SMS.
4.	SP	SPID 'A's' SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS for (Associated) SPID 'B' indicating a time range of one hour or less.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.
5.	NPAC	The NPAC SMS issues an M-ACTION Response to the SPID 'A's' SOA with the following information for (Associated) SPID 'B': • objectCreation for SV1 • subscriptionVersionStatusAttributeValueChange for SV1 updating the SV status to 'cancelled' • subscriptionVersionDonorSPCustomerDisconnectDate for SV2 • subscriptionVersionStatusAttributeValueChange for SV3 updating the SV status to 'active' • lnpNPAC-SMS-Operational-Information • objectCreation for SV4 NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.	SP	The SOA receives the M-ACTION Response from the NPAC SMS.
6.	SP	SPID 'A's' SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS for (Associated) SPID 'C' indicating a time range of one hour or less.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA.
7.	NPAC	The NPAC SMS issues an M-ACTION Response to the SPID 'A's'	SP	The SOA receives the M-ACTION Response from the NPAC SMS.

		SOA with the following information for (Associated) SPID 'C': • subscriptionVersionStatusAttributeValueChange for SV3 updating the SV status to 'active' • lnpNPAC-SMS-Operational-Information • subscriptionStatusAttributeValueChange setting SV3 to 'old' • objectCreation for SV4 • subscriptionVersionOldSP-ConcurrenceRequest for SV4 • subscriptionVersionOldSP-FinalConcurrenceWindowExpiration for SV4 NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.		
8.	SP	The SOA System (SPID 'A') issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the Recovery Mode to 'OFF'.	NPAC	1. The NPAC SMS receives the M-ACTION Request from the SOA and issues an M-ACTION Response back. 2. The NPAC SMS sees the SOA exist recovery. 3. The NPAC SMS sends any data updates since the SOA re-established.
9.	SP optional	SPID 'B' Service Provider Personnel perform a local query for the objectCreation message for SV1.	SP	Verify that you received the objectCreation message for SV1 on your local system. NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.
10.	SP optional	SPID 'B' Service Provider Personnel perform a local query for the subscriptionVersionAttributeValueChange message for SV1.	SP	Verify that you received the subscriptionVersionAttributeValueChange message for SV1 on your local system.
11.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the objectCreation message for SV1.	SP	Verify that you received the objectCreation message for SV1 on your local system. NOTE: If the Service Provider under test supports Medium Timer Indicator or Optional Data information and these attributes were included in the requests that initiated notifications, these attributes will be included in the appropriate notifications.
12.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionAttributeValueChange message for SV1.	SP	Verify that you received the subscriptionVersionAttributeValueChange message for SV1 on your local system.

13.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionNewSP-Concurrence Request message for SV1.	SP	Verify that you received the subscriptionVersionNewSP-Concurrence Request message for SV1 on your local system.
14.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the subscriptionVersionNewSP-Final Concurrence Window Expiration message for SV1.	SP	Verify that you received the subscriptionVersionNewSP-Final Concurrence Window Expiration message for SV1 on your local system.
15.	SP optional	SPID 'B' Service Provider Personnel perform a local query for a DonorSP-CustomerDisconnectDate notification for SV2.	SP	Verify that you have the notification for Donor Disconnect Date for SV2.
16.	SP optional	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeValueChange message for SV2.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV2 on your local system.
17.	SP optional	SPID 'B' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeValueChange message for SV3.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV3 on your local system.
18.	SP optional	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionStatusAttributeValueChange message for SV3.	SP	Verify that you received the subscriptionVersionStatusAttributeValueChange message for SV3 on your local system.
19.	SP optional	SPID 'A' Service Provider Personnel perform a local query for lnpNPAC-SMS-Operational-Information notification.	SP	Verify that you received the notification for scheduled downtime.
20.	SP optional	SPID 'B' Service Provider Personnel perform a local query for lnpNPAC-SMS-Operational-Information notification.	SP	Verify that you received the notification for scheduled downtime.
21.	SP optional	SPID 'C' Service Provider Personnel perform a local query for lnpNPAC-SMS-Operational-Information notification.	SP	Verify that you received the notification for scheduled downtime.
22.	SP optional	SPID 'B' Service Provider Personnel perform a local query for the objectCreation message for SV4.	SP	Verify that you received the objectCreation message for SV4.
23.	SP optional	SPID 'C' Service Provider Personnel perform a local query for the objectCreation message for SV4.	SP	Verify that you received the objectCreation message for SV4.
24.	SP optional	SPID 'C' Service Provider Personnel perform a local query for the subscriptionVersionOldSP-Concurrence Request message for SV4.	SP	Verify that you received the subscriptionVersionOldSP-Concurrence Request message for SV4.
25.	SP optional	SPID 'C' Service Provider Personnel perform a local query for subscriptionVersionOldSP-FinalConcurrenceExpirationWindow message for SV4.	SP	Verify that received the subscriptionVersionOldSP-FinalConcurrenceExpirationWindow message for SV4.

A. TEST IDENTITY

Test Case Number:	**NANC 48-6**	**Priority:**	Conditional
Objective:	SOA – 'Associated' SPID 'B' creates an NPA-NXX (at least 4 Service Providers are configured to operate in this region, 1 'Primary' SPID ('A'), 2 'Associated' SPIDs ('B' and 'C') and one other SPID 'D' – neither Primary or Associated) SPID 'B', SPID 'A', and SPID 'D' are configured with their SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON', SPID 'C' is configured with their SOA Network Data Download Association Function set to 'ON' and their LSMS Network and Subscription Data Download Association Function is set to 'OFF' (Some SPs in the region have filters to not accept downloads for this NPA-NXX) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-26, RR3-27, RR3-2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B4.1.5 NPA-NXX Creation by the SOA

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:	1. Verify that SPID 'B', and SPID 'C' exist on the NPAC SMS as 'Associated' SPIDs to Service Provider 'A'. 2. Verify that SPID 'D' exist on the NPAC SMS – as neither a 'Primary' or 'Associated' SPID. 3. Verify that SPID 'B', SPID 'A' and SPID 'D' Profiles are configured with the SOA Network Data Download Association Function and the LSMS Network and Subscription Data Download Association Function set to 'ON'. 4. Verify that the SPID 'C' Profile is configured with the SOA Network Data Download Association Function set to 'ON' and the LSMS Network and Subscription Data Download Association Function set to 'OFF'. 5. Verify that SPID 'B' is configured with an NPA-NXX Filter that DOES NOT allow them to receive notifications for the NPA-NXX you are about to create. 6. Verify that the NPA-NXX does not exist on the NPAC SMS that SPID 'B' is going to create. 7. Verify that the NPA-NXX that you are going to add during this test case is a valid NPA for the region in which you are going to add.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	SP	Using their SOA System, Service Provider 'B' Personnel submit a request to the NPAC SMS to create an NPA-NXX that is valid for the region in which you are testing and does not already exist on the NPAC SMS. The SPID 'A's' SOA association issues an M-CREATE Request in CMIP (or NXCQ – NpaNxxCreateRequest in XML) serviceProvNPA-NXX to the NPAC SMS (on behalf of SPID 'B').	NPAC	1. The NPAC SMS receives the Request for the NPA-NXX from the 'Primary' SPID ('A') for 'Associated' SPID 'B'. 2. The NPAC SMS issues an M-CREATE Response in CMIP (or NXCR – NpaNxxCreateReply in XML) back to 'Associated' SPID 'B' under the 'Primary' SPID 'A' association.
2.	NPAC	1. The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object in CMIP (or NXCD – NpaNxxCreateDownload in XML) to all LSMSs that have their Network and Subscription Data Download Association Function set to 'ON' and are accepting downloads for this NPA-NXX according to their filters. (SPIDs 'A', and 'D' in this scenario.) 2. The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object in CMIP (or NXCD – NpaNxxCreateDownload in XML) to all SOAs that have their Network Data Download Association Function set to 'ON' and are accepting downloads for this NPA-NXX according to their filters. (SPIDs 'A', 'C' and 'D' in this scenario.)	SP	1. All LSMSs in the region that are accepting downloads for the serviceProvNPA-NXX issue an M-CREATE Response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS. 2. All SOAs in the region that are accepting downloads for the serviceProvNPA-NXX issues an M-CREATE Response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS.
3.	SP	Service Provider 'A' Personnel query their local SOA and LSMS system for the NPA-NXX that was just created by Service Provider 'B'.	SP	1. Verify that the NPA-NXX exists on SPID 'A's' local SOA system and belongs to Service Provider 'B'. 2. Verify that the NPA-NXX exists on SPID 'A's' local LSMS system, and belongs to Service Provider 'B'.
4.	SP optional	Service Provider 'B' Personnel query their local SOA and LSMS system for the NPA-NXX that they just created on the NPAC SMS.	SP	Verify that the NPA-NXX DOES NOT exist on SPID 'B's' local SOA and LSMS systems.

5.	SP optional	Service Provider 'C' Personnel query their local SOA and LSMS system for the NPA-NXX that was just created by Service Provider 'B'.	SP	1. Verify that the NPA-NXX exists on SPID 'C's' local SOA system and belongs to Service Provider 'B'. 2. Verify that the NPA-NXX exists on SPID 'C's' local LSMS system and belongs to Service Provider 'B'.
6.	SP optional	Service Provider 'D' Personnel query their local SOA and LSMS system for the NPA-NXX that was just created by Service Provider 'B'.		1. Verify that the NPA-NXX exists on your local SOA system and belongs to Service Provider 'B'. 2. Verify that NPA-NXX exists on your local LSMS system and belongs to Service Provider 'B'.

A. TEST IDENTITY

Test Case Number:	**NANC 48-7**	**Priority:**	Conditional
Objective:	SOA – 'Associated' SPID 'B' issues an inter-Service Provider Subscription Version Create to the NPAC SMS where the TN is the first to be ported in the NPA-NXX , and they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR3-2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

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:	1. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 2. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 3. Verify SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that the NPA-NXX of the TN to be used for the subscription version create exists on the NPAC SMS and that there have not been any ports against it. 5. If the Service Provider under test supports Optional Data or Medium Timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

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 take action to create a New Service	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the

		Provider, Inter-Service Provider Subscription Version with SPID 'A' as the Old Service Provider and submits the request to the NPAC SMS via their 'Primary' SPID (SPID 'A') association. Specify an NPA-NXX that has not been ported before. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp.		NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association).	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object. • Sets the subscription version status to 'pending'. • Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'B' (care of SPID 'A's' SOA association) indicating success.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SOA (SPID 'A' in this case) 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-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA (in this case the	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'B')

		response goes over the SPID 'A' to NPAC SMS interface and is specified for SPID 'B') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider		
5.	NPAC	The NPAC SMS determines that this subscription version is the first use of this NPA-NXX and performs the following: 1. The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all LSMSs in the region who are accepting downloads for this NPA-NXX according to their filters 2. The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all SOAs in the region who are accepting downloads for this NPA-NXX	SP	1. All LSMSs in the region that are accepting downloads for this NPA-NXX issue an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS 2. All SOAs in the region that are accepting downloads for this NPA-NXX issue an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS
6.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
7.	SP optional	SPID 'A' Service Provider Personnel perform a local query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending' state.

8.	SP conditional	SPID ‘A’ Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID ‘B’ Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of ‘pending’.
9.	SP optional	SPID ‘A’ Service Provider Personnel query for the subscriptionVersionNewNPA-NXX notification on their SOA and/or LSMS systems.	SP	Verify that SPID ‘A’ received a subscriptionVersionNewNPA-NXX notification for the subscription version that SPID ‘B’ Service Provider Personnel just created.
10.	SP optional	SPID ‘B’ Service Provider Personnel perform a local query for the Subscription Version that SPID ‘B’ Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of ‘pending’ state.
11.	SP conditional	SPID ‘B’ Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID ‘B’ Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of ‘pending’.
12.	SP optional	SPID ‘B’ Service Provider Personnel query for the subscriptionVersionNewNPA-NXX notification on their SOA and/or LSMS systems.	SP	Verify that SPID ‘B’ received a subscriptionVersionNewNPA-NXX notification for the subscription version that SPID ‘B’ Service Provider Personnel just created.

A. TEST IDENTITY

Test Case Number:	**NANC 48-8**	**Priority:**	Conditional
Objective:	SOA – 'Associated' SPID 'B' issues a Subscription Version Activate for an Inter-Service Provider Port to the NPAC SMS, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider - Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.5 Subscription Version Activated by New Service Provider SOA B.5.1.6 Active SubscriptionVersion Create on Local SMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC 48-7 SOA – 'Associated' SPID 'B' issues an inter-Service Provider Subscription Version Create to the NPAC SMS where the TN is the first to be ported in the NPA-NXX and they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider – Success
Prerequisite NPAC Setup:	1. Verify that the Subscription Version to be activated exists on the NPAC SMS and that both the Old and New Service Providers have issued their creates or the Initial and Final Concurrence Windows have expired. 2. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA and LSMS Network Data Download Indicators set to 'ON'. SPID 'A' has filters set such that they will receive downloads for this NPA-NXX. 3. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 4. Verify SPID 'B' is configured with SOA and LSMS Network Data Download Indicators set to 'ON'. SPID 'B' has filters set such that they will receive downloads for this NPA-NXX.
Prerequisite SP Setup:	

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	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ –

		Activate a 'Pending' Subscription Version where they are the New Service Provider on or after the Subscription Version due date.		ActivateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association) and issues an M-SET Request to set the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
3.	NPAC	The NPAC SMS issues an M-ACTION subscriptionVersionActivateResponse in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA (over the SPID 'A' association on behalf of SPID 'B' in this case).	SP	SPID 'B' receives the Response from the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
5.	NPAC	The NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) 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-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS
6.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the subscription version status to 'Active'.	SP	SPID 'A' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
7.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the subscription version status to 'Active'.	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS via the SPID 'A' SOA to NPAC SMS association.
8.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B'	NPAC	Verify that the subscription version exists with a status of 'active'.

		Service Provider Personnel just activated in this test case.		
9.	SP optional	SPID 'A' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
10.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
11.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
12.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active.
13.	NPAC	NPAC Personnel perform a full audit for the subscription version that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 48-9**	**Priority:**	Conditional
Objective:	SOA – 'Associated' SPID 'C' issues an inter-Service Provider Subscription Version Create to the NPAC SMS for a range of TNs, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider (Some SPs in the region have filters to not accept downloads for this NPA-NXX) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

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:	1. Verify that at least 3 Service Providers are configured on the NPAC SMS. 2. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function are set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 3. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 4. Verify that SPID 'B' is configured with SOA Network Data Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 5. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 6. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it WILL NOT receive downloads for this NPA-NXX. 7. Verify that the NPA-NXX of the TNs to be used in the subscription version create exists on the NPAC SMS. 8. If the Service Provider under test supports Optional Data or Medium Timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'C' Service Provider Personnel create an Inter-Service Provider Subscription	SP	SPID 'C' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the

		Version for at least 2 consecutive TNs in a range where they are the New Service Provider and SPID 'A' is the Old Service Provider and submits it to the NPAC SMS via their 'Primary' SPID (SPID 'A') association. Specify a due date that is equal to or greater than the NPA-NXX Live Timestamp.		NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'C' care of SPID 'A's' SOA system.	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object for each TN in the range. • Sets the subscription version status to 'pending' for each TN in the range. • Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for each TN in the range. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' (for SPID 'B') indicating success for the TN's in the range.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the Old Service Provider SOA (in this case SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SOA (SPID 'A' in this case) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for each TN in the range.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the New Service Provider SOA (in this	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for each TN in the range. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'C')

		case the response goes over the SPID 'A' to NPAC SMS interface and is specified for SPID 'C')containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider		
5.	NPAC	NPAC Personnel query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	NPAC	Verify that the subscription versions exist with a status of 'pending'.
6.	SP optional	SPID 'A' Service Provider Personnel perform a local query using their SOA system for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that the subscription versions exist with a status of 'pending'.
7.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that subscription versions exist with a status of 'pending'.
8.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	No data is returned to SPID 'B' because it is neither the Old or New Service Provider for the subscription version.
9.	SP optional	SPID 'C' Service Provider Personnel perform a local query using their SOA system for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that subscription versions exist with a status of 'pending'.
10.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Versions that SPID 'C' Service Provider Personnel just created.	SP	Verify that the subscription versions exist with a status of 'pending'.

A. TEST IDENTITY

Test Case Number:	**NANC 48-10**	**Priority:**	Conditional
Objective:	SOA – 'Associated' SPID 'B' issues an Intra-Service Provider Subscription Version Create – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

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:	1. Verify that at least 3 Service Providers are configured on the NPAC SMS. 2. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 3. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 4. Verify that SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 5. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 6. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will NOT receive downloads for this NPA-NXX. 7. Verify that the NPA-NXX of the TN to be used in the subscription version create exists on the NPAC SMS. NOTE: If the Service Provider under test supports Medium Timer Indicator, and includes this attribute in the Intra-SP Create Request, NPAC SMS ignores this attribute value.
Prerequisite SP Setup:	

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 create an Intra-Service Provider Subscription Version and submits it to the NPAC	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		SMS via their 'Primary' SPID (SPID 'A') association. Specify a due date that is equal to or greater than the NPA-NXX Live Timestamp.		
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' care of SPID 'A's' system.	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object. • Sets the subscription version status to 'pending'. • Sets the subscriptionVersionModifiedTimeStamp, subscriptionCreationTimeStamp, subscriptionNewSP-AuthorizationTimeStamp and subscriptionOldSP-AuthorizationTimeStamp to the current date and time. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' (for SPID 'B') indicating success.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the SPID 'B' care of SPID 'A's' SOA association.	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'B')
4.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists in a state of 'pending'.
5.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'A' because it is not the New Service Provider for the subscription version.
6.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
7.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'C' because it is not the New Service Provider for the subscription version.

A. TEST IDENTITY

Test Case Number:	**NANC 48-11**	**Priority:**	Conditional
Objective:	SOA – 'Primary' SPID 'A' issues a Port-To-Original Subscription Version Create to the NPAC SMS for a single TN, where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

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:	1. Verify that there is an 'Active' Subscription Version for SPID 'B' in which SPID 'C' is the original Service Provider. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify that SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will NOT receive downloads for this NPA-NXX. 8. Verify that an 'active' subscription version exists for the TN to be used in the Port-to-Original subscription version create. 9. If the Service Provider under test supports Optional data or Medium timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	SP	Using a SOA system, SPID 'A' Service Provider Personnel create an Inter-Service Provider, Port-To-Original Subscription Version where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider and submit the request to the NPAC SMS.	SP	SPID 'A's' SOA issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) with the Port-to-Original flag set to 'yes' to the NPAC SMS.
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'A's' system.	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object. • Sets the Port-to-Original flag to 'yes'. • Sets the subscription version status to 'pending'. • Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' indicating success.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'B' – care of SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SPID 'B' 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-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider (SPID 'A') SOA system with the following subscription version attributes:. • subscriptionTN	SP	The New Service Provider (SPID 'A') issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

		• subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider		
5.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'A' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
6.	SP optional	SPID 'A' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'A' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
7.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'A' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
9.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A" Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
10.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just created.	SP	No data is returned because they are neither the Old nor the New Service Provider for the subscription version.

A. TEST IDENTITY

Test Case Number:	**NANC 48-12**	**Priority:**	Conditional
Objective:	SOA – 'Primary' SPID 'A' issues a Subscription Version Activate for a Port-to-Original Subscription Version to the NPAC for a single TN, where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.5 Subscription Version Activated by New Service Provider SOA B.5.1.12 Subscription Version Port-to-Original : Successful

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC 48-13 SOA – 'Primary' SPID 'A' issues a Port-To-Original Subscription Version Create to the NPAC SMS for a single TN, where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider – Success
Prerequisite NPAC Setup:	1. Verify that the Subscription Version to be activated exists on the NPAC SMS and that both the Old and New Service Providers have issued their creates or the Initial and Final Concurrence Windows have expired. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify that SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX. 8. Verify that an active subscription version exists for the same TN as used in the 'pending' Port-to-Original SV1.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using a SOA system, SPID 'A' Service Provider Personnel activate a 'Pending' Subscription Version (SV2) where they are the New Service Provider on or after the Subscription Version due date and submit the request to the NPAC SMS.	SP	SPID 'A's' SOA issues an M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) subscriptionVersionActivate to the NPAC SMS.
2.	NPAC	The NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'A's' SOA and issues an M-SET Request to set the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for SV2.	NPAC	The NPAC SMS issues an M-SET Response to itself.
3.	NPAC	The NPAC SMS issues an M-ACTION subscriptionVersionActivateResponse in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA for SV2 (SPID 'A' in this case).	SP	SPID 'A' receives the Response from the NPAC SMS over their SOA association.
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
5.	NPAC	The NPAC SMS issues an M-DELETE Request subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region that are accepting downloads for this NPA-NXX for SV1.	SP	All LSMSs that are accepting downloads for this NPA-NXX issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
6.	NPAC	The NPAC SMS issues an M-SET Request to itself to set the subscription version status for SV1 to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
7.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA (SPID 'B' care of SPID 'A's' SOA association) to set the	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.

		subscription version status to 'old' for SV1.		
8.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA (SPID 'B' care of SPID 'A's' SOA association) to set the subscription version status to 'old' for SV2.	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.
9.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA (SPID 'A' in this case) to set the subscription version status to 'old' for SV2.	SP	SPID 'A' (via their SOA association) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
10.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'A' Service Provider Personnel just activated in this test case as well as SV1.	NPAC	Verify that the subscription versions (SV1 and SV2) exist in an 'old' state.
11.	SP optional	SPID 'A' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist in a state of 'old'.
12.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist in a state of 'old'.
13.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for the Subscription Version that SPID 'A' Service Provider Personnel just activated as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist with a status of 'old'.
14.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated, as well as SV1.	SP	Verify that the subscription versions (SV1 and SV2) exist with a status of 'old'.
15.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'A' Service Provider Personnel just activated as well as SV1.	SP	No data will be returned because SPID 'C' is neither the Old nor the New Service Provider.

16.	NPAC	NPAC Personnel perform a full audit for the subscription version that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 48-13**	**Priority:**	Conditional
Objective:	SOA – 'Associated' Service Provider 'B' issues An Immediate Subscription Version Disconnect for an 'Active' SV – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.4.1 Subscription Version Immediate Disconnect

Test case procedures incorporated into test case 2.21 from Release 3.1.

A. TEST IDENTITY

Test Case Number:	**NANC 48-14**	**Priority:**	Conditional
Objective:	SOA – 'Associated' Service Provider 'B' issues a Subscription Version Create for a 'Pooled' TN, where they are the New Service Provider and SPID 'A' is the Old Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version create by the Initial SOA (New Service Provider)

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:	1. Verify that the Number Pool Block exists and that the Sub-Block is 'Active' for the TN to be used in the Inter-Service Provider subscription version create. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify SPID 'B' is configured with SOA Network Data Download Association and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify SPID 'C' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX. 8. If the Service Provider under test supports Optional data or Medium timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

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 create a New Service Provider, Inter-Service Provider Subscription Version	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.

		specifying a TN which is part of a Number Pool Block, with SPID 'A' as the Old Service Provider and submits the request to the NPAC SMS via their 'Primary' SPID (SPID 'A') association.		
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association).	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object. • Sets the subscription version status to 'pending'. • Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'B' (care of SPID 'A's' SOA association) indicating success.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'A') containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SOA (SPID 'A' in this case) 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-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider, SPID 'B' (care of SPID 'A's' SOA association) containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. (SPID 'A' is responsible for managing this message on behalf of their 'Associated' SPID - SPID 'B')

		• subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider		
5.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
6.	SP optional	SPID 'A' Service Provider Personnel perform a local query using their SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
7.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA system for the Subscription Version SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
9.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
10.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned to SPID 'C' because it is neither the Old or the New Service Provider for the subscription version.

A. TEST IDENTITY

Test Case Number:	**NANC 48-15**	**Priority:**	Conditional
Objective:	SOA – 'Associated' Service Provider 'B' issues a Subscription Version Activate for a 'Pooled' TN, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.5 Subscription Version Activated by New Service Provider SOA B.5.1.6 Active Subscription Version Create on Local SMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC 48-16 SOA – 'Associated' Service Provider 'A' issues a Subscription Version Create for a 'Pooled' TN, where they are the New Service Provider and SPID 'B' is the Old Service Provider – Success
Prerequisite NPAC Setup:	1. Verify that the Subscription Version to be activated exists on the NPAC SMS and that both the Old and New Service Providers have issued their creates or the Initial and Final Concurrence Windows have expired. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for the NPA-NXX you are going to specify in the subscription version activate
Prerequisite SP Setup:	

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 Activate a 'pending' Subscription Version for a TN that is part of a Number Pool Block, where they are the New Service Provider and 'Primary' SPID 'A' is the Old Service Provider, on or after the Subscription Version due date.	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from SPID 'B' (care of SPID 'A's' SOA association) and issues an M-SET Request to set the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
3.	NPAC	The NPAC SMS issues an M-ACTION subscriptionVersionActivateResponse in CMIP (or ACTR – ActivateReply in XML) to the New Service Provider SOA (over the SPID 'A' association on behalf of SPID 'B' in this case).	SP	SPID 'B' receives the Response from the NPAC SMS.
4.	NPAC	The NPAC SMS issues an M-SET Request to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	The NPAC SMS issues an M-SET Response to itself.
5.	NPAC	The NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region that are accepting downloads for this NPA-NXX (SPID's A, B and C in this case).	SP	All LSMSs that are accepting downloads for this NPA-NXX issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS (SPID's A, B and C in this case).
6.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the subscription version status to 'active'.	SP	SPID 'A' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
7.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeV	SP	SPID 'B' issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS

		alueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the subscription version status to 'Active' (over the NPAC SMS to SPID 'A' SOA association on behalf of SPID 'B' in this case).		via the SPID 'A' SOA to NPAC SMS association.
8.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just activated in this test case.	NPAC	Verify that the subscription version exists with a status of 'active'.
9.	SP optional	SPID 'A' Service Provider Personnel perform a local query using your SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
10.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the subscription version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
11.	SP optional	SPID 'B' Service Provider Personnel perform a local query using your SOA and/or LSMS systems for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
12.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the subscription version that SPID 'B' Service Provider Personnel just activated.	SP	Verify that the subscription version exists with a status of 'active'.
13.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just activated.	SP	No data is returned because SPID 'C' is neither the Old or the New Service Provider.
14.	NPAC	NPAC Personnel perform a full audit for the subscription version that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

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		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1, B.5.1.6 Subscription Version Immediate Disconnect (with return to Block Holder)

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC 48-17 SOA – 'Associated' Service Provider 'A' issues a Subscription Version Activate for a 'Pooled' TN, where they are the New Service Provider and 'Associated' SPID 'B' is the Old Service Provider – Success
Prerequisite NPAC Setup:	1. Verify that a Subscription Version for a TN that is part of a Number Pool Block exists in an 'Active' state on the NPAC SMS with SPID 'B' as the Current Service Provider so that you may issue an Immediate Disconnect Request. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX.
Prerequisite SP Setup:	

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'	NPAC	SPID 'B' issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) for SV1 to the NPAC

		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.		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: • The subscriptionVersionStatus for SV1 goes to 'sending'. • The subscriptionModifiedTimeStamp, subscriptionBroadcastTimeStamp, customerDisconnectDate and subscriptionDisconnectBroadcastStartTimeStamp are set to the current date and time. • 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	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-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.
		1.		1.
		•		
6.	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	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.

		subscriptionVersion SV1.		
7.	NPAC	After each LSMS has successfully responded to the NPAC SMS M-DELETE Request for SV1, the NPAC SMS issues an M-SET Request subscriptionVersionStatus for SV1 to itself and performs the following actions: • Sets the subscription version status to 'old'. • Sets the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time. The NPAC SMS issues an M-SET Request subscriptionVersionStatus for SV2 to itself and performs the following actions: • Sets the subscription version status to 'active'. • Sets the subscriptionModifiedTimeStamp and subscriptionActivateBroadcastCompleteTimeStamp to the current date and time.	NPAC	The NPAC SMS receives the M-SET Requests and issues M-SET Responses to itself.
8.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to set the status to 'old' for SV1 to SPID 'B' via SPID 'A's' SOA association.	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.
9.	NPAC	NPAC Personnel query for SV1 that SPID 'B' Service Provider Personnel disconnected.	NPAC	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
10.	NPAC	NPAC Personnel query for SV2 which the NPAC SMS created in this test case to reinstate the 'Pooled' subscription version.	NPAC	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL', and that SPID 'A' is the current Service Provider.
11.	SP optional	SPID 'A' Service Provider Personnel perform a local query on their SOA and/or LSMS systems for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
12.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for SV1 that SPID 'B' Service Provider	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.

		Personnel disconnected.		
13.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL' and SPID 'A' is the Current Service Provider.
14.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
15.	SP optional	SPID 'B' Service Provider Personnel perform a local query using their SOA and/or LSMS systems for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL' and SPID 'A' is the Current Service Provider.
16.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	Verify that SV1 exists with a status of 'old' and an empty failed-SP List.
17.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	Verify that SV2 exists with a status of 'active', an LNP type of 'POOL' and SPID 'A' is the Current Service Provider.
18.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for SV1 that SPID 'B' Service Provider Personnel disconnected.	SP	No data is returned because SPID 'C' is not the Current Service Provider.
19.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for SV2 that the NPAC SMS created to reinstate the 'Pooled' subscription version.	SP	No data is returned because SPID 'C' is neither the Old or the New Service Provider.
20.	SP optional	SPID 'A' Service Provider Personnel query for the Donor Service Provider SOA Notification on their SOA system.	SP	Verify that SPID 'A' received the Donor Service Provider Notification for this subscription version.
21.	NPAC	NPAC Personnel perform a full audit for the subscription version that was disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 48-17**	**Priority:**	Conditional
Objective:	SOA – 'Associated' Service Provider 'B' issues a Port-To-Original Subscription Version Create where they are the New Service Provider and SPID 'C' is the Old Service Provider and the TN is part of a 'Pool' – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 48 – Multiple Service Provider Ids per SOA Association
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

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:	1. Verify that there is an 'Active' Subscription Version for a TN that is part of a Number Pool Block , SPID 'B' is the Current Service Provider and SPID 'C' is the Block Holder Service Provider. 2. Verify that at least 3 Service Providers are configured on the NPAC SMS. 3. Verify that SPID 'A' exists as a 'Primary' SPID, and is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'A' has a filter set such that it will receive downloads for this NPA-NXX. 4. Verify that SPID 'B' is an 'Associated' SPID to SPID 'A'. 5. Verify that SPID 'B' is configured with SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'B' has a filter set such that it will receive downloads for this NPA-NXX. 6. Verify that SPID 'C' is an 'Associated' SPID to SPID 'A'. 7. Verify that SPID 'C' is configured with a SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. SPID 'C' has a filter set such that it will receive downloads for this NPA-NXX. 8. If the Service Provider under test supports Optional data or Medium timer Indicator, include these attribute values in the request.
Prerequisite SP Setup:	

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 create an	SP	SPID 'B' issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or

		Inter-Service Provider, Port-To-Original Subscription Version for a TN that is part of a Number Pool Block, where they are the New Service Provider and 'Associated' SPID 'C' is the Old Service Provider (Block Holder Service Provider) and submit the request to the NPAC SMS.		NCRQ – NewSpCreateRequest in XML) with the Port-to-Original flag set to 'yes', to the NPAC SMS care of SPID 'A's' SOA association.
2.	NPAC	The NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from SPID 'B' care of SPID 'A's' SOA association.	NPAC	The NPAC SMS determines the request is valid and performs the following: • Creates the subscriptionVersionNPAC object. • Sets the Port-to-Original flag to 'yes'. • Sets the subscription version status to 'pending'. • Sets the subscriptionVersionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. • Issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to SPID 'A' indicating success.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA (in this case SPID 'C' – care of SPID 'A's' SOA association) containing the following subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider	SP	The Old Service Provider SPID 'C' (care of SPID 'A's' SOA association) 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-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider (SPID 'B') (care of SPID 'A's' SOA system) and includes the following	SP	The New Service Provider (SPID 'B') issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS (via 'Primary' SPID 'A's' SOA association).

		subscription version attributes: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider • subscriptionBusinessType – if supported by the Service Provider • subscriptionNewSPMedium Timer Indicator if supported by the Service Provider		
5.	NPAC	NPAC Personnel query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	NPAC	Verify that the subscription version exists with a status of 'pending'.
6.	SP conditional	SPID 'A' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	No data is returned because they are neither the Old nor the New Service Provider.
7.	SP optional	SPID 'B' Service Provider Personnel perform a local query using your SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
8.	SP conditional	SPID 'B' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
9.	SP optional	SPID 'C' Service Provider Personnel perform a local query using your SOA system for the Subscription Version that SPID 'B' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.
10.	SP conditional	SPID 'C' Service Provider Personnel perform an NPAC SMS query for the Subscription Version that SPID 'C' Service Provider Personnel just created.	SP	Verify that the subscription version exists with a status of 'pending'.

9.1.6 NANC 68 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 68 - 1**	**Priority:**	Required
Objective:	NPAC OP GUI – NPAC Personnel submit a Mass Update request specifying a TN range (no Subscription Versions with status of, partial failure, sending and disconnect-pending exist within a Service Provider ID and for the TN range specified) – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 68 – Mass Update Requirements Modification
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R3-7.1, R3-7.2, R3-7.5, R3-7.6, R3-7.7
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.8.3 Mass Update

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:	1. Verify that some Subscription Versions exist with a status of active, pending, cancel, cancel-pending, and conflict within the TN range and for the Service Provider you are going to specify in the Mass Update. 2. Verify no Subscription Versions exist with a status of partial failure, sending, and disconnect-pending . 3. The system under test is configured to receive downloads for the NPA-NXX used in this test case. 4. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case any Optional Data elements supported by the SP under test and SV Type data (if the SP under test supports it) should be specified.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying a TN Range for a Service Provider ID as the selection criteria. The following attributes will be mass updated: • LRN	NPAC	The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs: • The NPAC SMS logs an exception for each Subscription Version within the TN range specified for the Mass Update that has a status

		• SV Type – if supported by the Service Provider • ISVM DPC • ISVM SSN • CNAM DPC • CNAM SSN • LIDB DPC • LIDB SSN • WSMSC DPC – (if supported by the service provider) • WSMSC SSN – (if supported by the service provider • Optional Data elements – if supported by the service provider)		of either old, partial failure, sending, cancel or disconnect-pending . • If WSMSC data is supported by the LSMS it will be used in the Mass Update. • If Optional Data elements or SV Type are supported by the LSMS they will be used in the Mass Update.
2.	NPAC	The NPAC SMS issues M-SET subscriptionVersion Request(s) in CMIP (or SVMD – SvModifyDownload in XML) to the LSMS under test to modify the specified attributes for the Mass Update Request.	SP	The LSMS updates the specified attributes for the Subscription Versions and issues M-SET Response(s) in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. Only those LSMSs that support WSMSC data and/or Optional Data elements and SV Type will receive that information in the M-SET request.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider SOA to set the subscriptionVersionStatus to 'active' for each mass updated Subscription Version in the range of TNs.	SP	The Current Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS indicating it received the NPAC Request successfully.
4.	NPAC	Using the NPAC OP GUI, request a Mass Update Exception Report by specifying a time range that corresponds to the creation timestamp for the 'exception' log entries created as a result of the Mass Update requested.	NPAC	The NPAC SMS generates a Mass Update exception report to the specified destination, ordered by timestamp, including the following information for the Subscription Versions that were not updated during Mass Update processing: • Subscription Version ID • TN • Current Service Provider • Event ID of the Mass Update Request • Timestamp of the Mass Update exception • Subscription Version status at the time of exception The report for this test case will not contain exceptions.
5.	NPAC	NPAC Personnel perform a query for the Subscription Versions in the range that did not have exceptions to verify that Subscription Version fields selected to be mass updated were modified.	NPAC	The Subscription Versions were modified correctly.
6.	SP - optional	SP Personnel, using their LSMS, perform a local query for the	SP	The Subscription Versions were modified correctly. Verify that Active subscription versions that meet

		Subscription Versions to verify that the Subscription Version fields selected to be mass updated were modified.		the Mass Update criteria are updated.
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.
8.	NPAC	NPAC Personnel perform a full audit for the subscription version that were updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 68 - 3**	**Priority:**	Required
Objective:	NPAC OP GUI – NPAC Personnel submit a Mass Update request specifying an LRN and Service Provider ID (some Subscription Versions with status of active, pending, cancel, cancel-pending, and conflict exist for the LRN specified) – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 68 – Mass Update Requirements Modification
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R3-7.1, R3-7.2, R3-7.5, R3-7.6, R3-7.7
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.8.3 Mass Update

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:	1. Verify that some Subscription Versions exist with a status of active, pending, cancel, cancel-pending, and conflict for the LRN and Service Provider you are going to specify for a Mass Update. 2. Verify that no Subscription Versions exist with a status of partial failure, sending, and disconnect-pending . 3. Verify that the TN's to be updated are in a contiguous range smaller than the internal tunable value so that only one M-SET is sent to the LSMS(s). 4. Verify that the system under test is configured to receive downloads for the NPA-NXX used in this test case.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying a LRN and Service Provider ID as the selection criteria. The following attributes will be mass updated: • LRN • LIDB DPC • LIDB SSN	NPAC	The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs: • The NPAC SMS logs an exception for each Subscription Version with the LRN and Service Provider ID specified for the Mass Update that has a status of either old, partial failure, sending, cancel or disconnect-pending .
2.	NPAC	The NPAC SMS issues M-SET subscriptionVersion Request in CMIP (or SVMD – SvModifyDownload in XML) to the LSMS under test to modify the	SP	The LSMS updates the specified attributes for the Subscription Versions and issues M-SET Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.

		specified attributes for the Mass Update Request.		The Service Provider validates that only one M-SET request was sent.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider SOA to set the subscriptionVersionStatus to 'active' for each mass updated Subscription Version in the range.	SP	The Current Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS indicating it received the NPAC Request successfully.
4.	NPAC	Using the NPAC OP GUI, request a Mass Update Exception Report by specifying a time range that corresponds to the creation timestamp for the 'exception' log entries created as a result of the Mass Update requested.	NPAC	The NPAC SMS generates a Mass Update exception report to the specified destination, ordered by timestamp, including the following information for the Subscription Versions that were not updated during Mass Update processing: • Subscription Version ID • TN • Current Service Provider • Event ID of the Mass Update Request • Timestamp of the Mass Update exception • Subscription Version status at the time of exception The report for this test case will not contain exceptions.
5.	NPAC	NPAC Personnel perform a query for the Subscription Versions in the range that did not have exceptions to verify that Subscription Version fields selected to be mass updated were modified.	NPAC	The Subscription Versions were modified correctly.
6.	SP - optional	SP Personnel, using their LSMS, perform a local 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. Verify that Active subscription versions that meet the Mass Update criteria are updated.
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.
8.	NPAC	NPAC Personnel perform a full audit for the subscription versions that were updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

9.1.7 NANC 139 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 139-1	**Priority:**	Required
Objective:	NPAC OP GUI – NPAC Personnel create a New Service Provider on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function and the LSMS Network Association Function are set to 'ON' and a NPA-NXX filter for the new NPA-NXX is established for this Service Provider. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	RR4-4.1
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.3.1 Service Provider Creation by the NPAC

Test Case procedures incorporated into NANC 357-3 for Release 3.3.

A. TEST IDENTITY

Test Case Number:	NANC 139-4	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel create an NPA-NXX on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions are set to 'ON', and an NPA-NXX filter for the new NPA-NXX is established for this Service Provider. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.1.5 NPA-NXX Creation by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the new NPA-NXX create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'. 2. Verify that the NPA-NXX that the Service Provider is going to add does not already exist on the NPAC. 3. Verify that the NPA-NXX that the Service Provider is going to add is a valid NPA for the region in which they are testing/adding. 4. Verify that the NPA-NXX filter for the Service Provider already exists on the NPAC for the NPA-NXX to be added.
Prerequisite SP Setup:	Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to create an NPA-NXX that is available for porting in their own Service Provider network and submit the request to the NPAC SMS.	SP	The SOA will send an M-CREATE request in CMIP (or NXCQ – NpaNxxCreateRequest in XML) to the NPAC SMS for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M-	NPAC	The NPAC SMS creates the serviceProvNPA-

		CREATE request in CMIP (or NXCQ – NpaNxxCreateRequest in XML) from the SOA.		NXX object for the given Service Provider and sends an M-CREATE response in CMIP (or NXCR – NpaNxxCreateReply in XML) back to the SOA.
3	NPAC	NPAC SMS verifies the NPA-NXX filter and does not send any messages to the LSMS or SOA.	NPAC	NPAC Personnel verify no M-CREATE messages are sent to the SOA or LSMS.
4.	NPAC	NPAC Personnel query for the NPA-NXX created in this test case.	NPAC	NPAC Personnel verify they can view the new NPA-NXX.
5.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX created in this test case.	SP	Service Provider Personnel verify they can view the new NPA-NXX.
6.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they did NOT receive the download.	SP	The Service Provider did NOT receive the download and cannot view the NPA-NXX in either their SOA or LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-5	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel create an NPA-NXX on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions are set to 'ON'. – Success **Note:** Per IIS3_4_1aPart2 scenario B.4.1.4, this flow is not available over the XML interface. However, step 3 through step 7 message naming does apply to the XML interface if the NPA-NXX Create Request was initiated via the CMIP interface. See test case 139-4 for applicable XML message naming.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.1.4 NPA-NXX Creation by the LSMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the new NPA-NXX create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'. 2. Verify that the NPA-NXX that the Service Provider is going to add does not already exist on the NPAC. 3. Verify that the NPA-NXX that the Service Provider is going to add is a valid NPA for the region in which they are testing/adding.
Prerequisite SP Setup:	Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to create an NPA-NXX that is available for porting in their own Service Provider network and submit the request to the NPAC SMS.	SP	The LSMS will send an M-CREATE request to the NPAC SMS for the serviceProvNPA-NXX object.

2.	NPAC	The NPAC SMS receives the M-CREATE request from the LSMS.	NPAC	The NPAC SMS creates the serviceProvNPA-NXX object for the given Service Provider and sends an M-CREATE response back to the LSMS.
3.	NPAC	The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object to the LSMS.	SP	The LSMS receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
4.	NPAC	The NPAC SMS sends an M-CREATE for the serviceProvNPA-NXX object to the SOA.	SP	The SOA receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the NPA-NXX created in this test case.	NPAC	NPAC Personnel verify they can view the new NPA-NXX.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX created in this test case.	SP	Service Provider Personnel verify they can view the new NPA-NXX.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download.	SP	The Service Provider received the download and can view the NPA-NXX in both their SOA and LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-7	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel delete an NPA-NXX on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function and the LSMS Network and Subscription Data Download Association Functions are set to 'ON'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.1.7 NPA-NXX Deletion by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the NPA-NXX delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function LSMS Network and Subscription Data Download Association Functions are set to 'ON'. 2. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC. 3. Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and the LSMS Network and Subscription Data Download Association Functions set to 'ON'. 2. The NPA-NXX to be deleted already exists in your database.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an NPA-NXX and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) to the NPAC SMS for the serviceProvNPA-NXX object.
2.	NPAC	The NPAC SMS receives the M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) from the SOA.	NPAC	The NPAC SMS deletes the serviceProvNPA-NXX object from the NPAC SMS, and sends an M-DELETE response in CMIP (or NXDR – NpaNxxDeleteReply in XML) back to the SOA initiating the request.

3.	NPAC	The NPAC SMS sends an M-DELETE in CMIP (or NXDD – NpaNxxDeleteDownload in XML) for the serviceProvNPA-NXX object to the LSMS.	SP	The LSMS sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS..
4.	NPAC	The NPAC SMS sends an M-DELETE in CMIP (or NXDD – NpaNxxDeleteDownload in XML) for the serviceProvNPA-NXX object to the SOA.	SP	The SOA sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS..
5.	NPAC	NPAC Personnel query for the NPA-NXX deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted NPA-NXX.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted NPA-NXX.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verify they received the download.	SP	The Service Provider received the download and can no longer view the NPA-NXX in their SOA and LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-8	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel delete an NPA-NXX on the NPAC SMS, that belongs to another Service Provider. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function LSMS Network and Subscription Data Download Association Functions are set to 'ON'. – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.1.7 NPA-NXX Deletion by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the NPA-NXX delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'. 2. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC. 3. Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'. 4. Verify that the NPA-NXX belongs to another Service Provider other than the Service Provider performing the test case.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have both the SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Functions set to 'ON'. 2. The NPA-NXX to be deleted already exists in your database, but belongs to another Service Provider.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an NPA-NXX that belongs to another Service Provider, and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) to the NPAC SMS for the serviceProvNPA-NXX object.

2.	NPAC	The NPAC SMS receives the M-DELETE request in CMIP (or NXDQ – NpaNxxDeleteRequest in XML) from the SOA.	NPAC	1. The NPAC SMS determines the requesting Service Provider is NOT the same as the one that owns the NPA-NXX. (this violates system requirements) 2. An M-DELETE Error Response in CMIP (or NXDR – NpaNxxDeleteReply in XML) is returned to the SOA initiating the request. (access denied in CMIP)
3.	NPAC	NPAC Personnel query for the NPA-NXX deleted in this test case.	NPAC	NPAC Personnel verify they can view the 'deleted' NPA-NXX (since it didn't pass the delete edits).
4.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can view the 'deleted' NPA-NXX (since it didn't pass the delete edits).
5.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verify they did NOT receive the download.	SP	The Service Provider did NOT receive the download and can still view the NPA-NXX in their SOA and LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-9	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel delete an NPA-NXX on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function are set to 'ON'. – Success **Note:** Per IIS3_4_1aPart2 scenario B.4.1.6, this flow is not available over the XML interface. However, step 3 through step 7 message naming does apply to the XML interface if the NPA-NXX Delete Request was initiated via the CMIP interface. See test case 139-7 for applicable XML message naming.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-10, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.1.6 NPA-NXX Deletion by the LSMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the NPA-NXX delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. Verify that the NPA-NXX that the Service Provider is going to delete exists on the NPAC. 3. Verify no subscriptions exist for the NPA-NXX that have a status other than 'old' or 'canceled'.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have both SOA Network Data Download Association Function and LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. The NPA-NXX to be deleted already exists in your database.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to delete an NPA-NXX and submit the request to the NPAC SMS.	SP	The LSMS will send an M-DELETE request to the NPAC SMS for the serviceProvNPA-NXX object.

2.	NPAC	The NPAC SMS receives the M-DELETE request from the LSMS.	NPAC	The NPAC SMS deletes the serviceProvNPA-NXX object from the NPAC SMS, and sends an M-DELETE response back to the LSMS initiating the request.
3.	NPAC	The NPAC SMS sends an M-DELETE for the serviceProvNPA-NXX object to the LSMS.	SP	The LSMS receives the M-DELETE and sends an M-DELETE response back to the NPAC SMS.
4.	NPAC	The NPAC SMS sends an M-DELETE for the serviceProvNPA-NXX object to the SOA.	SP	The SOA receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the NPA-NXX deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted NPA-NXX.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the NPA-NXX deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted NPA-NXX.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verify they received the download.	SP	The Service Provider received the download and can no longer view the NPA-NXX in their SOA and LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-11	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel create an LRN on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function is set to 'ON' and LSMS Network and Subscription Data Download Association Function is set to 'OFF'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.2.2 LRN Creation by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the new LRN create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'ON' and its LSMS Network and Subscription Data Download Association Function set to 'OFF'. 2. Verify that the NPA-NXX filter for the Service Provider already exists on the NPAC and is the same as the NPA-NXX of the LRN. 3. Verify that the LRN that the Service Provider is going to add does not already exist on the NPAC.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'ON' and your LSMS Network and Subscription Data Download Association Function set to 'OFF'. 2. The LRN to be added does not already exist in your database.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to create an LRN for their own network data and submit the request to the NPAC SMS.	SP	The SOA will send an M-CREATE request in CMIP (or LRCQ – LrnCreateRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M-CREATE request in CMIP (or LRCQ – LrnCreateRequest in XML) from the SOA.	NPAC	The NPAC SMS creates the serviceProvLRN object for the given service provider and sends an M-CREATE response in CMIP (or LRCR – LrnCreateReply in XML) back to the SOA.

3.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the LSMS.	NPAC	NPAC Personnel verify no M-CREATE message is sent to the LSMS.
4.	NPAC	The NPAC SMS sends an M-CREATE in CMIP (or LRCD – LrnCreateDownload in XML) for the serviceProvLRN object to all SOA.	SP	The SOA sends an M-CREATE response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the LRN created in this test case.	NPAC	NPAC Personnel verify they can view the created LRN.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN created in this test case.	SP	Service Provider Personnel verify they can view the created LRN.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download in their SOA only.	SP	The Service Provider received the download in their SOA and can view the LRN. They have not received the download in their LSMS and thus cannot view the LRN.

A. TEST IDENTITY

Test Case Number:	NANC 139-12	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel create an LRN on the NPAC SMS. The SOA and LSMS are connected to the NPAC SMS. The SOA Network Data Download Association Function is set to 'OFF' and LSMS Network and Subscription Data Download Association Function is set to 'ON'. – Success **Note:** Per IIS3_4_1aPart2 scenario B.4.2.6, this flow is not available over the XML interface. However, step 3 through step 7 message naming does apply to the XML interface if the LRN Create Request was initiated via the CMIP interface. See test case 139-11 for applicable XML message naming.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.2.6 LRN Creation by the LSMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the new LRN create message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'OFF' and its LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. Verify that the NPA-NXX filter for the Service Provider already exists on the NPAC and is the same as the NPA-NXX of the LRN 3. Verify that the LRN that the Service Provider is going to add does not already exist on the NPAC.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'OFF' and your LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. The LRN to be added does not already exist in your database.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to create an LRN for their own network data and submit the request to the NPAC SMS.	SP	The LSMS will send an M-CREATE request to the NPAC SMS for the serviceProvLRN object.

2.	NPAC	The NPAC SMS receives the M-CREATE request from the LSMS.	NPAC	The NPAC SMS creates the serviceProvLRN object for the given service provider and sends an M-CREATE response back to the LSMS.
3.	NPAC	The NPAC SMS sends an M-CREATE for the serviceProvLRN object to the LSMS.	SP	The LSMS receives the M-CREATE and sends an M-CREATE response back to the NPAC SMS.
4.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the SOA.	NPAC	NPAC Personnel verify no M-CREATE message is sent to the SOA.
5.	NPAC	NPAC Personnel query for the LRN created in this test case.	NPAC	NPAC Personnel verify they can view the created LRN.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN created in this test case.	SP	Service Provider Personnel verify they can view the created LRN.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download in their LSMS only.	SP	The Service Provider received the download in their LSMS and can view the LRN. They have not received the download in their SOA and thus cannot view the LRN.

A. TEST IDENTITY

Test Case Number:	NANC 139-14	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel delete an LRN on the NPAC SMS. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function is set to 'ON' and the LSMS Network and Subscription Data Download Association Function is set to 'OFF'. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.2.3 LRN Deletion by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the LRN delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'ON' and its LSMS Network and Subscription Data Download Association Function set to 'OFF'. 2. Verify that the LRN that the Service Provider is going to delete exists on the NPAC and is owned by the Service Provider doing the delete.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'ON' and your LSMS Network and Subscription Data Download Association Function set to 'OFF'. 2. The LRN to be deleted already exists in your database and is owned by the Service Provider doing the delete..

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete the LRN that was previously created and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) from the SOA.	NPAC	The NPAC SMS deletes the serviceProvLRN object from the NPAC SMS and sends an M-DELETE response in CMIP (or LRDR – LrnDeleteReply in XML) back to the SOA initiating the request.

3.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the LSMS.	NPAC	NPAC Personnel verify no M-DELETE message is sent to the LSMS.
4.	NPAC	The NPAC SMS sends an M-DELETE in CMIP (or LRDD – LrnDeleteDownload in XML) for the serviceProvLRN object to the SOA.	SP	The SOA sends an M-DELETE response in CMIP (or DNLR - DownloadReply in XML) back to the NPAC SMS.
5.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted LRN.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted LRN.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download on their SOA but not on their LSMS.	SP	The Service Provider received the download in their SOA and can no longer view the LRN. They have not received the download in their LSMS and thus can still view the LRN.

A. TEST IDENTITY

Test Case Number:	NANC 139-15	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel delete an LRN on the NPAC SMS, that belongs to another Service Provider. The SOA and LSMS (optional) are connected to the NPAC SMS. The SOA Network Data Download Association Function is set to 'OFF' and the LSMS Network and Subscription Data Download Association Function is set to 'ON'. – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.0	**Relevant Flow(s):**	B.4.2.3 LRN Deletion by the SOA

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the LRN delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'OFF' and its LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. Verify that the LRN that the Service Provider is going to delete exists on the NPAC. 3. Verify that the LRN belongs to another Service Provider.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'OFF' and your LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. The LRN to be deleted already exists in your database and belongs to another Service Provider.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Service Provider Personnel take action to delete an LRN that belongs to another Service Provider, and submit the request to the NPAC SMS.	SP	The SOA will send an M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML) to the NPAC SMS for the serviceProvLRN object.
2.	NPAC	The NPAC SMS receives the M-DELETE request in CMIP (or LRDQ – LrnDeleteRequest in XML)	NPAC	1. The NPAC SMS determines the requesting Service Provider is NOT the same as the one that owns the network data. (this violates

		from the SOA.		system requirements) 2. An M-DELETE Error Response in CMIP (or LRDR – LrnDeleteReply in XML) is returned to the SOA initiating the request. (access denied)
3.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can view the 'deleted' LRN (since it did not pass the delete edits).
4.	**SP – Conditional**	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can view the 'deleted' LRN (since it did not pass the delete edits).
5.	S – Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verify they did NOT receive the download.	SP	The Service Provider did NOT receive the download and can still view the NPA-NXX in their SOA and LSMS.

A. TEST IDENTITY

Test Case Number:	NANC 139-16	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel delete an LRN on the NPAC SMS. The SOA and LSMS are connected to the NPAC SMS. The SOA Network Data Download Association Function is set to 'OFF' and the LSMS Network and Subscription Data Download Association Function is set to 'ON'. – Success **Note:** Per IIS3_4_1aPart2 scenario B.4.2.7, this flow is not available over the XML interface. However, step 3 through step 7 message naming does apply to the XML interface if the LRN Delete Request was initiated via the CMIP interface. See test case 139-14 for applicable XML message naming.		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 139 – Network Data Download to SOA
NANC FRS Version Number:	R2.0.0	**Relevant Requirement(s):**	R3-9, R3-11, RR3-1, RR3-2
NANC IIS Version Number:	R2.0.1	**Relevant Flow(s):**	B.4.2.7 LRN Deletion by the LSMS

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	None
Prerequisite NPAC Setup:	1. Verify that the Service Provider to whom you are going to broadcast the LRN delete message has valid SOA and LSMS (optional) associations. The Service Provider should be associated with its SOA Network Data Download Association Function set to 'OFF' and its LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. Verify that the LRN that the Service Provider is going to delete exists on the NPAC and belongs to the Service Provider performing the delete.
Prerequisite SP Setup:	1. Associate your SOA and LSMS with the data download association functions set appropriately. You should have your SOA Network Data Download Association Function set to 'OFF' and your LSMS Network and Subscription Data Download Association Function set to 'ON'. 2. The LRN to be deleted already exists in your database and belongs to the Service Provider performing the delete.

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the LSMS, Service Provider Personnel take action to delete the LRN that was previously created and submit the request to the NPAC SMS.	SP	The LSMS will send an M-DELETE request to the NPAC SMS for the serviceProvLRN object.

2.	NPAC	The NPAC SMS receives the M-DELETE request from the LSMS.	NPAC	The NPAC SMS deletes the serviceProvLRN object from the NPAC SMS and sends an M-DELETE response back to the LSMS initiating the request.
3.	NPAC	The NPAC SMS sends an M-DELETE for the serviceProvLRN object to the LSMS.	SP	The LSMS receives the M-DELETE and sends an M-DELETE response back to the NPAC SMS.
4.	NPAC	NPAC SMS checks the association function values and determines no message should be sent to the SOA.	NPAC	NPAC Personnel verify no M-DELETE message is sent to the SOA.
5.	NPAC	NPAC Personnel query for the LRN deleted in this test case.	NPAC	NPAC Personnel verify they can no longer view the deleted LRN.
6.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the LRN deleted in this test case.	SP	Service Provider Personnel verify they can no longer view the deleted LRN.
7.	SP - Optional	Service Provider Personnel perform local queries on their SOA and LSMS and verifies they received the download on their LSMS but not on their SOA.	SP	The Service Provider received the download in their LSMS and can no longer view the LRN. They have not received the download in their SOA and thus can still view the LRN.

9.1.8 NANC 162 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 162 – 1**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel modify the TN of a Subscription Version – Error **Note:** Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, "SubscriptionVersion Modify Prior to Activate Using M-ACTION".		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 162 – TN Attribute as GET-Replace
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-30.1, R5-30.2
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 a pending subscription version exists for the TN that will be attempted to be modified. The Service Provider attempting to modify the TN must be the old Service Provider.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	1. Service Provider Personnel, using their SOA system, attempt to modify the TN of a pending Subscription Version for which they are the old Service Provider. 2. The Service Provider SOA will issue an M-SET Request subscriptionVersionNPAC object for the TN.	NPAC	1. The NPAC SMS receives the M-SET Request from the Service Provider SOA and determines that the attribute specified for modification is the TN in the subscription version. **(This violates system requirements)**. 2. The NPAC SMS rejects the request to modify the subscription version and issues an M-SET Error Response back to the Originating Old Service Provider SOA.
2.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that subscription version TN was not modified.	NPAC	The Subscription Version was not modified.

3.	SP – conditional	SP Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions to verify that the subscription version TN was not modified.	SP	The Subscription Version was not modified.
4.	SP - optional	SP Personnel, using their SOA, perform a local query for the Subscription Versions to verify that the subscription version TN was not modified.	SP	The Subscription Version was not modified.

9.1.9 NANC 201 and 202 Related Test Cases:

The Timer Type is set upon Subscription Version Creation based on the following algorithm:
If both the SV_Port_In_Timer_Type for the New Service Provider and the SV_Port_Out_Timer_Type for the Old Service Provider on the Subscription Version are set to short, the Subscription Version Timer Type is set to short. Otherwise, it is set to long.

The Business Type is set upon Subscription Version Creation based on the following algorithm:
If the SP Business Hours tunables for both the New Service Provider and the Old Service Provider match, the Subscription Version Business Hours type field is set to the matching value. Otherwise, it is set to Normal.

When the region and both Service Providers party to the subscription version support Medium Timers, their respective Medium Timer Indicator (MTI) must be specified in the create/release request. In this scenario, default Timer Type and Business Type processing only occurs when the Old Service Provider issues a Release indicating an Old SP MTI of False, OR when the Old Service Provider doesn't respond to a New Service Provider create where the New SP MTI is False. If the Old Service Provider issues a Release indicating an Old SP MTI value of True, then the Timer Type and Business Type are set to Medium. Likewise if the New Service Provider issues a Create indicating a New Service Provider MTI of True and the Old Service Provider does not issue a respective release then the Subscription Version will be processed following Medium porting intervals.

A. TEST IDENTITY

Test Case Number:	**NANC 201-1**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL, let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.3, R5-21.1, R5-23.1, R5-19.5, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 4. Verify that for the New and Old Service Providers in this TC their 'SP Business Hours' are set to 'NORMAL' in their Customer Profile. 5. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 business hour for each tunable). 6. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set. 7. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 8. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	1. Using their SOA system, New Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS lnpSubscriptions object. The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

		DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – if supported by the Service Provider SOA • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionNewSPMedium Timer Indicator – if supported by the Service Provider under test The following attributes are optional • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the Service Provider SOA.		
2.	NPAC	1. After the NPAC SMS determines the request is valid it issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object. 2. The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. 3. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this Subscription Version based on the New	NPAC	1. The NPAC SMS receives the M-CREATE request and issues an M-CREATE Response back to itself indicating the NPAC successfully created the 'pending' Subscription Version as requested by the SOA. 2. The NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Request.

		Service Provider Port-In Timer Type and SP Business Hours and the Old Service Provider Port-Out Timer Type and SP Business Hours settings in their respective Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered.		
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider's SOA	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.

		• subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA		
5.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old service provider SOA an M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP-Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-2**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create Inter-Service Provider Subscription Versions for a range of TNs when the New Service Provider 'Port In Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.3, R5-21.1, R5-23.1, R5-19.5, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 4. Verify that for the New and Old Service Providers in this TC their 'SP Business Hours' are set to 'NORMAL' in their Customer Profile. 5. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 business hour for each tunable). 6. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set. 7. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 8. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using their SOA system, Service Provider Personnel take action to create Inter-Service Provider Subscription Versions for a range of TNs. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-Creates in CMIP (or NCRQ – NewSpCreateRequest in XML) for a range of TNs to the NPAC SMS lnpSubscriptions object. The following attributes must be specified: • subscriptionTN Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – (if supported by the Service Provider SOA)	NPAC	The NPAC SMS receives the Requests from the Service Provider SOA, verifies that the requests are valid, and that all required attributes are included and pass field level validations.

		• subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionNewSPMediumTimer Indicator – if supported by the Service Provider under test The following attributes are optional: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the Service Provider SOA •		
2.	NPAC	1. After the NPAC SMS determines the requests are valid it issues an M-CREATE subscriptionVersionNPAC object to itself for each TN in the range. 2. The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamps are set to the current date and time. 3. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this SVs based on the New Service Provider Port-In Timer Type and SP Business Hours and the Old Service Provider Port-Out Timer Type and SP Business Hours settings in their respective Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the	NPAC	1. The NPAC SMS receives the M-CREATE requests and issues M-CREATE Responses back to itself indicating the NPAC successfully created the 'pending' SVs as requested by the SOA. 2. The NPAC SMS issues M-ACTION Responses in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Requests.

		NewSPMediumTimerIndicator value is also considered.		
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creations: • SubscriptionTN • SubscriptionOldSP • SubscriptionNewCurrentSP • SubscriptionNewSP-CreationTimeStamp • SubscriptionVersionStatus • SubscriptionNewSP-DueDate • SubscriptionTimerType – if supported by the Service Provider's SOA • SubscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	NPAC and SP	The Old Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notifications.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType – if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionVersionNewSPMediumTimerIndicator – if supported by the Service provider's SOA	SP	The New Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
5.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		service provider SOA an M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
6.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification In XML) for each TN in the range to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns M-EVENT-REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Versions created in this test case.	NPAC	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Versions created in this test case.	SP	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP-Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-5**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'LONG' and 'SP Business HOURS' is set to 'EXTENDED', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.4, R5-21.1, R5-23.1, R5-19.6, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. 4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 hour for the short concurrence timers and 2 hours for the long concurrence timers). 5. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set. 6. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 7. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using their SOA system, Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS lnpSubscriptions object. The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – (if supported by the Service Provider SOA) • subscriptionCLASS-DPC	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

		• subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionNewSPMedium TimerIndicator – if supported by the Service Provider under test. The following attributes are optional: • subscriptionEndUserLocatio nValue • subscriptionEndUserLocatio nType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the Service Provider SOA		
2.	NPAC	1. After the NPAC SMS determines the request is valid it issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object. 2. The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. 3. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers based on the Timer Types and Business Hours set in the Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered.	NPAC	1. The NPAC SMS receives the M-CREATE request and issues an M-CREATE Response back to itself indicating the NPAC successfully created the 'pending' Subscription Version as requested by the SOA. 2. The NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Request.

3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • NewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • NewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
5.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old service provider SOA an M-EVENT-REPORT in CMIP (or	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VOIN – SvOldSpConcurrenceNotification in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
6.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.		1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP-Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-6**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create Inter-Service Provider Subscription Versions for a range of TNs when the New Service Provider 'Port In Timer' is set to 'SHORT' and their 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.4, R5-21.1, R5-23.1, R5-19.6, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'SHORT' and their 'SP Business Hours' is set to 'NORMAL' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. 4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification (1 business hour for each tunable). 5. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set. 6. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 7. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using their SOA system, Service Provider Personnel take action to create Inter-Service Provider Subscription Versions for a range of TNs. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-Creates in CMIP (or NCRQ – NewSpCreateRequest in XML) for a range of TNs to the NPAC SMS lnpSubscriptions object. The following attributes must be specified: • subscriptionTN Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – (if supported by the Service Provider SOA)	NPAC	The NPAC SMS receives the Requests from the Service Provider SOA, verifies that the requests are valid, and that all required attributes are included and pass field level validations.

		• subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionNewSPMedium TimerIndicator – if supported by the Service Provider under test The following attributes are optional: • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the Service Provider SOA.		
2.	NPAC	1. After the NPAC SMS determines the requests are valid it issues an M-CREATE subscriptionVersionNPAC object to itself for each TN in the range. 2. The statuses are set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. 3. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers based on the Timer Types and Business Hours set in the Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered.	NPAC	1. The NPAC SMS receives the M-CREATE requests and issues M-CREATE Responses back to itself indicating the NPAC successfully created the 'pending' SVs as requested by the SOA. 2. The NPAC SMS issues M-ACTION Responses in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Requests.

3.	NPAC	The NPAC SMS issues M-EVENT-REPORT objectCreations in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • NewSPMediumTimerIndicator – if supported by the Service Provider under test.	SP	The Old Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notifications.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider under test	SP	The New Service Provider SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
5.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old service provider SOA an M-EVENT-REPORT in CMIP (or	SP	The old service provider SOA returns M-EVENT-REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VOIN – SvOldSpConcurrenceNotification in XML) for each TN in the range indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
6.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML for each TN in the range to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns M-EVENT-REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Versions created in this test case.	NPAC	1. The Subscription Versions were created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Versions created in this test case.	SP	The Subscription Versions were created with the status of 'pending'.
9.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Versions created in this test case.		1. The Subscription Versions were created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP-Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-9**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' and the Old Service Provider 'Port Out Timer' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.4, R5-21.1, R5-23.1, R5-19.6, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.1.4.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and the 'SP Business Hours' is set to 'EXTENDED' in their Customer Profile. 4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification. 5. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set. 6. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 7. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using their SOA system, Service Provider Personnel take action to create an Inter-Service Provider Subscription Version for a single TN. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS lnpSubscriptions object. The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – (if supported by the Service Provider SOA)	NPAC	The NPAC SMS receives the Request from the Service Provider SOA, verifies that the request is valid, and that all required attributes are included and pass field level validations.

		• subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionNewSPMedium Timer Indicator – if supported by the Service Provider under test The following attributes are optional: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the Service Provider SOA		
2.	NPAC	1. After the NPAC SMS determines the request is valid it issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object. 2. The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. 3. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers based on the Timer Types and Business Hours set in the Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered .	NPAC	1. The NPAC SMS receives the M-CREATE request and issues an M-CREATE Response back to itself indicating the NPAC successfully created the 'pending' Subscription Version as requested by the SOA. 2. The NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the New Service Provider SOA indicating it successfully processed the Subscription Version Create Request.

3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
5.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old service provider SOA an M-EVENT-REPORT in CMIP (or	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		VOIN – SvOldSpConcurrenceNotification in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
6.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
7.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
8.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
9.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP-Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-10**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create Inter-Service Provider Subscription Versions for a range of TNs when the New Service Provider 'Port In Timer' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED' and the Old Service Provider 'Port Out Timer' is set to 'LONG' and their 'SP Business Hours' is set to 'EXTENDED', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.4, R5-21.1, R5-23.1, R5-19.6, 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, R5-22
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.14.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

Test Case procedures incorporated into test case 2.2 for Release 3.1.

A. TEST IDENTITY

Test Case Number:	**NANC 201-13**	**Priority:**	Conditional
Objective:	NPAC OP GUI – NPAC Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'SHORT' and their 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'LONG' and the 'SP Business Hours' is set to 'NORMAL', let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-19.4, R5-19.5, R5-21.1, R5-23.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider) B.5.14.1 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Concurrence Window B.5.1.4.2 SubscriptionVersion Create: No Create Action from the Old Service Provider SOA After Final Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that for the New Service Provider in this TC, their "Port-In Timer Type' is set to 'SHORT' and their 'SP Business Hours' are set to 'NORMAL' in their Customer Profile. 3. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' and their 'SP Business Hours' is set to 'NORMAL' in their Customer Profile. 4. Verify the Initial Concurrence Timer and the Final Concurrence Timer are set to their lowest possible value, in order to expedite test verification. 5. Verify the SOA Supports SV Type and all Optional Data element Indicators are set to their production values for the Service Provider under test. In this test case the service provider should indicate any Optional Data elements they support and SV Type data (if they support it). 6. Verify the SOA Supports Medium Timer Indicator is set to the production value for the Service Provider under test.

Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	1. Using the NPAC OP GUI, NPAC Personnel acting on behalf of the New Service Provider take action to create an Inter-Service Provider Subscription Version for a single TN. 2. The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPType • subscriptionPortingToOriginal-SP Switch • subscriptionLRN • subscriptionSVType – (if supported by the Service Provider SOA) • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – (if supported by the Service Provider SOA) • subscriptionWSMSC-SSN (if supported by the Service Provider SOA) • subscriptionNewSPMediumTimer Indicator – if supported by the Service Provider under test The following attributes are optional: • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingID • subscriptionOptionalData – all elements supported by the	NPAC	1. The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object. • The status is set to 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp are set to the current date and time. • The NPAC SMS proceeds to set the Timer Type and the Business Type to 'based on the New Service Provider Port-In Timer Type and SP Business Hours and the Old Service Provider Port-Out Timer Type and SP Business Hours settings in their respective Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the NewSPMediumTimerIndicator value is also considered. 2. The NPAC SMS issues an M-CREATE Response back to itself indicating the Subscription Version Request successfully resulted in a 'pending' Subscription Version on the NPAC.

		Service Provider SOA		
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider SOA containing the following attributes for subscriptionVersionNPAC creation: • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSP-DueDate • subscriptionTimerType - - if supported by the Service Provider's SOA • subscriptionBusinessType - if supported by the Service Provider's SOA • subscriptionNewSPMediumTimerIndicator – if supported by the Service Provider's SOA	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
4.	NPAC	1. Wait for the Initial Concurrence Timer to expire. 2. NPAC SMS sends the old	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		service provider SOA an M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) indicating the Initial Concurrence Timer has expired and requesting Confirmation.		
5.	NPAC	1. Wait for the Final Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old Service Provider SOA indicating the Final Concurrence Timer has expired.	SP	The old service provider SOA returns an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC Personnel query for the Subscription Version created in this test case.	NPAC	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
7.	SP - Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version created in this test case.	SP	The Subscription Version was created with the status of 'pending'.
8.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version created in this test case.	SP	1. The Subscription Version was created with the status of 'pending'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-17**	**Priority:**	Conditional
Objective:	NPAC OP GUI – NPAC Personnel issue a Cancellation for a Pending Subscription Version (for which both Service Providers have initially concurred to) on behalf of the Old Service Provider, when the Timer Type is set to 'SHORT' and the Business Hours Type is set to 'NORMAL', allow the Cancellation-Initial Concurrence and Cancellation-Final Concurrence Timer to expire – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-32.1 RR5-33.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.4 SubscriptionVersion Create by Second SOA (Old Service Provider) with Authorization to Port B.5.1.4.3 Subscription Version Create: Failure to Receive Response from New SOA B.5.1.4.4 SubscriptionVersion Create: No Create Action from the New Service Provider SOA After Concurrence Window

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists that has the Timer Type set to 'SHORT' and the Business Hours Type set to 'NORMAL', and both Service Providers have concurred to the port.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	NPAC	Using the NPAC OP GUI, acting on behalf of the Old Service Provider, issue a Cancellation Request for a single Subscription Version which both Service Providers initially concurred to, and has the Timer Type set to 'SHORT' as well as the	NPAC	1. The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'cancel-pending' and set the subscriptionModifiedTimeStamp to the current date and time. 2. The NPAC SMS receives the M-SET Request

		Business Hours Type set to 'NORMAL'.		and issues an M-SET Response back to itself.
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	1. Wait for the Short Initial Cancellation Window to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) to the New Service Provider SOA indicating the Initial Cancellation Window has expired.	SP	The New Service Provider SOA issue an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
5.	NPAC	1. Wait for the Short Final Cancellation Window to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the New Service Provider SOA indicating the Final Cancellation Window has expired.	SP	The New Service Provider SOA issue an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
6.	NPAC	Upon expiration of the Final Cancellation window the NPAC sets the status of the subscription version to conflict.	NPAC	1. The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'conflict' and set the subscriptionModifiedTimeStamp to the current date and time. 2. The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.
7.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

8.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
9.	NPAC	NPAC Personnel query for the Subscription Version that they attempted to cancel in this test case.	NPAC	1. The Subscription Version exists in a state of 'Conflict'. 2. The Cancellation Initial and Final Cancellation timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
10.	SP – Conditional	Service Provider Personnel, using either the SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	The Subscription Version exists in a state of 'Conflict'.
11.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	1. The Subscription Version exists in a state of 'Conflict'. 2. The Cancellation Initial and Final Cancellation timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-18**	**Priority:**	Conditional
Objective:	SOA– Old Service Provider Personnel place a Subscription Version into Conflict, five minutes prior to the Subscription Version Due date, the Timer Type is set to 'SHORT' and Business Hours Type is set to 'NORMAL' – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-42.5
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.4 Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

C. TIME ESTIMATE

Estimated Execution Time:		**Estimated Prerequisite Setup Time:**		**Estimated NPAC Setup Time:**		**Estimated SP Setup Time:**	

D. PREREQUISITE

Prerequisite Test Cases:	NANC201-1 SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the New Service Provider 'Port In Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL' and the Old Service Provider 'Port Out Timer' is set to 'SHORT' and 'SP Business Hours' is set to 'NORMAL, let the Initial Concurrence and Final Concurrence timers expire prior to Old Service Provider Concurrence – Success
Prerequisite NPAC Setup:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'SHORT' and Business Type set to 'NORMAL' and the Old Service Provider has not yet issued a respective 'Create' for this SV. 3. Verify that the Final Concurrence Timer has been reached. 4. Verify that the Subscription Version Due Date has not yet been reached. 5. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After the Conflict Restriction Window and Final Concurrence Timer have expired for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA or SOA LTI,	NPAC	1. The NPAC SMS issues an M-CREATE subscriptionVersionNPAC to itself to create the respective Subscription Version object with a status of 'Conflict'. • The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'SHORT', and does not apply the Conflict

		Old Service Provider Personnel take action to place this Subscription Version into Conflict, by setting the authorization flag to false. 2. The system issues an old Service Provider Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP-Create). The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization **(SET to 'FALSE')** • subscriptionLNPType • subscriptionStatusChangeCause Code • subscriptionOldSPMediumTimer Indicator set to False (if supported)		Restriction Window tunable. • The status is set to 'Conflict' and sets the other attribute values from the Old Service Provider Create Request to put this Subscription Version in Conflict. 2. The NPAC SMS issues an M-CREATE Response back to itself indicating the Subscription Version Request successfully resulted in the Subscription Version being put into Conflict on the NPAC. 3. The NPAC SMS issues an Old Service Provider Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XML) back to the Old Service Provider system.
2.	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The Old Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The New Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Subscription Version that the Old Service Provider issued a 'Create Request' for in this Test Case.	NPAC	1. The Subscription Version exists with a status of 'Conflict'. 2. The Initial and Final Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.
5.	SP - Conditi	Service Provider Personnel, using either the SOA/SOA LTI or LSMS,	SP	The Subscription Version exists with a status of 'Conflict'.

	onal	perform a query for the Subscription Version that they issued a 'Create Request' for in this Test Case.		
6.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	1. The Subscription Version exists with a status of 'Conflict'. 2. The Initial and Final Concurrence timer notifications were received at the appropriate time based on the 'Timer Type' and 'Business Hours Type'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-21**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'LONG' and Business Hours Type is set to 'EXTENDED' (neither the Initial or Final Concurrence Timers have expired and it's prior to the Conflict Restriction Window expiration) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:		**Relevant Requirement(s):**	
NANC IIS Version Number:		**Relevant Flow(s):**	B.5.5.4 Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

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:	1. Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and Business Hours Type is set to 'EXTENDED' and the Old Service Provider has not yet issued a respective 'Create' for this SV. 2. Verify that the Conflict Restriction Window has been reached. 3. Verify that the Final (T1 Timer) has not expired. 4. Verify that the Subscription Version Due Date has not yet been reached. 5. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Prior to the Initial and Final Concurrence Timers expiration for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA, Old Service Provider Personnel take action to place this Subscription Version into Conflict. 2. The system issues an Old Service Provider Create in CMIP	NPAC	1. The NPAC SMS receives a Request to create the respective Subscription Version object with a status of 'Conflict'. 2. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', and neither the Initial or Final Concurrence Timers have expired, and allows the Old Service Provider to place the Subscription Version into Conflict. 3. The status is set to 'Conflict' and sets the other attribute values from the Old Service Provider

		(or OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP-Create). The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization **(SET to 'FALSE')** • subscriptionLNPType • subscriptionStatusChangeCause Code • subscriptionOldSPMediumTimer Indicator set to False (if supported)		Create Request to put this SV in Conflict. 4. The NPAC SMS issues an Old Service Provider Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XML) back to the Old Service Provider system.
2.	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).)	SP	The Old Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues a Notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The New Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Subscription Version that the Old Service Provider issued a 'Create Request' for in this Test Case.	NPAC	The Subscription Version exists with a status of 'Conflict'.
5.	SP - Conditional	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.
6.	SP - Optional	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create	SP	The Subscription Version exists with a status of 'Conflict'.

		Request' for in this Test Case.		

A. TEST IDENTITY

Test Case Number:	**NANC 201-23**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'LONG' and the Business Hours Type is set to 'EXTENDED' (the Old Service Provider initially concurred to this port and is now placing it into conflict - the Conflict Restriction Window has been reached) – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-50, RR5-51
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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and the Business Hours Type set to 'EXTENDED'. 3. Verify that both Service Providers have issued the initial 'Create Request' for this SV. 4. Verify that the Conflict Restriction Window has been reached. 5. Verify that the Subscription Version Due Date has not yet been reached.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Prior to the Subscription Version Due Date, and after the Old and New Service Provider have issued their initial Subscription Version Create Requests, Old Service Provider Personnel issue a Subscription Version Modify Request to the NPAC SMS to place this 'Pending' Subscription Version into Conflict. 2. The Old Service Provider system issues a Subscription Version Modify Request (M-ACTION Request	NPAC	1. The NPAC SMS receives the Subscription Version Modify Request from the Old Service Provider System. 2. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', that neither the Initial or Final Concurrence Timers exist, and that the Conflict Restriction Window has expired **(this violates system requirements)**. 3. The NPAC SMS rejects the Subscription Version Modify Request and issues an Error Response (M-ACTION Error Response) in CMIP (or MODR - ModifyReply in XML) back to the Old Service Provider system indicating

		subscriptionVersionModify) in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS by specifying a single TN and the version status or by specifying the Version ID to be modified. 3. The following attributes may be modified: • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization **(SET to 'FALSE')** • subscriptionStatusChangeCause Code		the reason for failure.
2.	NPAC	NPAC Personnel query for the Subscription Version that Old Service Provider Personnel attempted to place into Conflict in this Test Case.	NPAC	The Subscription Version exists with a status of 'Pending'.
3.	SP - Conditional	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
4.	SP - Optional	Old Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-25**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel remove a Subscription Version from Conflict when the Timer Type is set to 'LONG' and the Business Hours Type is set to 'EXTENDED' (after the Conflict Resolution New Service Provider Restriction Tunable has expired). The cause code is currently set to either 52, 53 or 54.– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-46, R5-47, R5-50.1, R50.2, RR5-12.1, RR5-12.3, RR5-12.4, RR5-12.5, RR5-14, RR5-138
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.2 Subscription Version Conflict Removal by the New Service Provider SOA

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a Subscription Version in 'Conflict' status exists with the Timer Type set to 'LONG' and Business Hours Type set to 'EXTENDED'. 3. Verify that both Service Providers have issued the initial Subscription Version Create for this SV. 4. Verify that the Conflict Resolution New Service Provider Restriction Tunable has expired. 5. The cause code on the subscription version to be used in this test case is set to either 52, 53 or 54. 6. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider Personnel take action to remove a Subscription Version from Conflict, after the Conflict	NPAC	1. The NPAC SMS receives the Request from the New Service Provider SOA. 2. The NPAC verifies that the New Service Provider Restriction Tunable has expired.

		Resolution New Service Provider Restriction Tunable has expired. 2. The New Service Provider System issues an M-ACTION Request subscriptionVersionRemovalFromConflict in CMIP (or RFCQ – RemoveFromConflictRequest in XML) by specifying the Subscription Version TN or the Subscription Version ID.		3. The NPAC SMS issues an M-SET Request to itself and updates the Subscription Version status to 'Pending'. 4. The NPAC SMS issues an M-SET Response to itself. 5. The NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) back to the New Service Provider SOA indicating it successfully processed the request.
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 4 below) to the New Service Provider SOA, to update the Subscription Version status to 'Pending'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 4 below) back to the NPAC.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 5 below) to the Old Service Provider SOA to update the Subscription Version status to 'Pending'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 5 below) back to the NPAC.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending' in XML).	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
5.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending' in XML).	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.

6.	NPAC	NPAC Personnel query for the Subscription Version that was removed from Conflict in this Test Case.	NPAC	The Subscription Version exists with a status of 'Pending'.
7.	SP - Conditional	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
8.	SP - Optional	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
9.	SP- Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-30**	**Priority:**	Conditional
Objective:	NPAC OP GUI – NPAC Personnel, acting on behalf of the Old Service Provider, issue a Cancellation for a Pending Subscription Version that the New Service Provider has concurred to, when the Timer Type is set to 'LONG' and Business Hours Type is set to 'NORMAL', allow the Cancellation-Initial Concurrence and Cancellation-Final Concurrence Timer expire.– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-32.1 RR5-33.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.3.1 SubscriptionVersion Cancel by Service Provider SOA After Both Service Provider SOAs Have Concurred B.5.3.2SubscriptionVersionCancel: No Acknowledgment from a SOA B.5.5.1 SubscriptionVersion Conflict by the NPAC SMS

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists that has the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL', and both Service Providers have concurred to the port.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	NPAC	1. Using the NPAC OP GUI, acting on behalf of the Old Service Provider, issue a Cancellation Request for a single Subscription Version which both Service Providers initially concurred to, and has the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL'. 2. The NPAC SMS issues an M-	NPAC	The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.

		SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'cancel-pending' and set the subscriptionModifiedTimeStamp to the current date and time.		
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'cancel-pending'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	1. Wait for the Long Initial Cancellation Concurrence Timer to expire. 2. The NPAC SMS issues an M-EVENT-REPORT in CMIP (or VCAN – SvCancelAckNotification in XML) to the New Service Provider SOA indicating the Initial Cancellation Window has expired.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC indicating it successfully received the NPAC notification.
		1.		
6.	NPAC	Upon expiration of the Final Cancellation window the NPAC sets the status of the subscription version to conflict.	NPAC	1. The NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself in order to set the respective Subscription Version status to 'conflict' and set the subscriptionModifiedTimeStamp to the current date and time. 2. The NPAC SMS receives the M-SET Request and issues an M-SET Response back to itself.
7.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

8.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to set the Subscription Version status to 'conflict'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
9.	NPAC	NPAC Personnel query for the Subscription Version that they attempted to cancel in this test case.	NPAC	1. The Subscription Version exists in a state of 'Conflict'. 2. The Initial and Final Cancellation Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and Business Hours Type'.
10.	SP - Conditional	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	The Subscription Version exists in a state of 'Conflict'.
11.	SP - Optional	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that NPAC Personnel attempted to cancel in this test case.	SP	1. The Subscription Version exists in a state of 'Conflict'. 2. The Initial and Final Cancellation Concurrence timer notifications were sent at the appropriate time based on the 'Timer Type' and Business Hours Type'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-31**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'SHORT' and Business Hours Type is set to 'NORMAL' (neither the Initial or Final Concurrence Timers have expired) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.4 Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'SHORT' and Business Hours Type set to 'NORMAL' and the Old Service Provider has not yet issued a respective 'Create' for this SV. 3. Verify that the Initial Concurrence Timer has not expired. 4. Verify that the Subscription Version Due Date has not yet been reached. 5. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Prior to the Initial and Final Concurrence Timers expiration for a 'Pending' Subscription Version where only the New Service Provider has issued a 'Create', using your SOA Old Service Provider Personnel take action to place this Subscription Version into Conflict. 2. The system issues an old Service Provider Create in CMIP (or	NPAC	1. The NPAC SMS issues a Request to itself to create the respective Subscription Version object with a status of 'Conflict'. • The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'SHORT', and neither the Initial or Final Concurrence Timers have expired, and allows the Old Service Provider to place the SV into Conflict. • The status is set to 'Conflict' and sets the other attribute values from the Old Service

		OCRQ – OldSpCreateRequest in XML) to place this Subscription Version into Conflict to the NPAC SMS (M-ACTION Request subscriptionVersionOldSP-Create). The following attributes must be specified: • subscriptionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization **(SET to 'FALSE')** • subscriptionLNPType • subscriptionStatusChangeCause Code • subscriptionOldSPMediumTimer Indicator set to False (if supported)		Provider Create Request to put this Subscription Version in Conflict. 2. The NPAC SMS issues an M-CREATE Response back to itself indicating the Subscription Version Request successfully resulted in the Subscription Version being put into conflict on the NPAC. 3. The NPAC SMS issues an Old Service Provider Create Response (M-ACTION Response) in CMIP (or OCRR – OldSpCreateReply in XML) back to the Old Service Provider system.
2.	NPAC	The NPAC SMS issues a Notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The Old Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
3	NPAC	The NPAC SMS issues a Notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider system indicating the respective Subscription Version was created and has a status of 'Conflict' (M-EVENT-REPORT objectCreation).	SP	The New Service Provider system issues a Notification Response (M-EVENT-REPORT Confirmation) in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
4.	NPAC	NPAC Personnel query for the Subscription Version that the Old Service Provider issued a 'Create Request' for in this Test Case.	NPAC	The Subscription Version exists with a status of 'Conflict'.
5.	SP - Conditional	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.
6.	SP - Optional	Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they issued a 'Create Request' for in this Test Case.	SP	The Subscription Version exists with a status of 'Conflict'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-33**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider Personnel place a Subscription Version into Conflict when the Timer Type is set to 'LONG' and Business Hours Type is set to 'NORMAL' (the Old Service Provider initially concurred to this port and is now placing it into conflict – the Conflict Restriction Window has been reached) – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-50, RR5-51
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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a 'Pending' Subscription Version exists with the Timer Type set to 'LONG' and the Business Hours Type set to 'NORMAL'. 3. Verify that both Service Providers have issued the initial 'Create Request' for this SV. 4. Verify that the Conflict Restriction Window has been reached. 5. Verify that the Subscription Version Due Date has not yet been reached. 6. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer Support indicator are set to production values for the Service Provider under test.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Prior to the Subscription Version Due Date, and after the Old and New Service Provider have issued their initial Subscription Version Create Requests, Old Service Provider Personnel issue a Subscription Version Modify Request to the NPAC SMS to place this 'Pending' Subscription Version into Conflict. 2. The Old Service Provider system	NPAC	1. The NPAC SMS receives the Subscription Version Modify Request from the Old Service Provider System. 2. The NPAC SMS determines that the Timer Type for this Subscription Version is set to 'LONG', that neither the Initial or Final Concurrence Timers exist, and that the Conflict Restriction Window has expired **(this violates system requirements)**. 3. The NPAC SMS rejects the Subscription Version Modify Request and issues an Error

		issues a Subscription Version Modify Request (M-ACTION Request subscriptionVersionModify) in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS by specifying a single TN and the version status or by specifying the Version ID to be modified. 3. The following attributes may be modified: • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization **(SET to 'FALSE')** • subscriptionStatusChangeCause Code • subscriptionOldSPMediumTimer Indicator set to False (if supported)		Response (M-ACTION Error Response) in CMIP (or MODR - ModifyReply in XML) back to the Old Service Provider system indicating the reason for failure **(invalid data value)**.
2.	NPAC	NPAC Personnel query for the Subscription Version that Old Service Provider Personnel attempted to place into conflict in this Test Case.	NPAC	The Subscription Version exists with a status of 'Pending'.
3.	SP - conditional	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
4.	SP - Optional	Old Service Provider Personnel, using either their SOA or LSMS, perform a local query for the Subscription Version that they attempted to place into conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.

A. TEST IDENTITY

Test Case Number:	**NANC 201-35**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel remove a Subscription Version from Conflict when the Timer Type is set to 'LONG' and Business Hours Type is set to 'NORMAL' (after the Conflict Resolution New Service Provider Restriction Tunable has expired). The cause code is currently set to either 52, 53 or 54.– Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-46, R5-47, R5-50.1, R50.2, RR5-12.1, RR5-12.3, RR5-12.4, RR5-12.5, RR5-14, RR5-138
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.2 Subscription Version Conflict Removal by the New Service Provider SOA

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:	1. Verify that the New and Old Service Provider's 'SOA Supports Timer Type' and 'SOA Supports Business Hours' are set to 'TRUE' in their Customer Profile. 2. Verify that a Subscription Version in 'Conflict' status exists with the Timer Type set to 'LONG' and Business Hours Type set to 'NORMAL'. 3. Verify that both Service Providers have issued the initial Subscription Version Create for this SV. 4. Verify that the Conflict Resolution New Service Provider Restriction Tunable has expired. 5. The cause code on the subscription version to be used in this test case is set to either 52, 53, or 54. 6. The Service Provider SOA Notification Channel tunable is set to the service provider's production setting. If the service provider supports a separate notification channel, they are connected to the NPAC SMS testbed with one channel where the notificationDownload function bit is set and another channel that does not have this bit set.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider Personnel take action to remove a Subscription Version from Conflict, after the Conflict	NPAC	1. The NPAC SMS receives the Request from the New Service Provider SOA. 2. The NPAC verifies that the New Service Provider Restriction Tunable has expired.

		Resolution New Service Provider Restriction Tunable has expired. 2. The New Service Provider System issues an M-ACTION Request subscriptionVersionRemovalFromConflict in CMIP (or RFCQ – RemoveFromConflictRequest in XML) by specifying the Subscription Version TN or the Subscription Version ID.		3. The NPAC SMS issues an M-SET Request to itself and updates the Subscription Version status to 'Pending'. 4. The NPAC SMS issues an M-SET Response to itself. 5. The NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) back to the New Service Provider SOA indicating it successfully processed the request.
2.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 4 below) to the New Service Provider SOA, to update the Subscription Version status to 'Pending'.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 4 below) back to the NPAC.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (not available over the XML interface, but attributes are included in the message sent in step 5 below) to the Old Service Provider SOA to update the Subscription Version status to 'Pending'.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface, but confirmation is included in the message sent in step 5 below) back to the NPAC.
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending').	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
5.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA to update the Old Service Provider Authorization to 'TRUE' in CMIP (or Provider Authorization to 'TRUE' and status to 'Pending').	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC.
6.	NPAC	NPAC Personnel query for the Subscription Version that was	NPAC	1. The Subscription Version status is now set to 'Pending'.

		removed from Conflict in this Test Case.		2. The Conflict Restriction Window expired at the appropriate time based on the 'Timer Type' and Business Hours Type'.
7.	SP - conditional	Old Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform an NPAC query for the Subscription Version that they attempted to place into Conflict in this Test Case.	SP	The Subscription Version exists with a status of 'Pending'.
8.	SP - optional	Service Provider Personnel, using either their SOA/SOA LTI or LSMS, perform a local query for the Subscription Version that was removed from Conflict in this Test Case.	SP	The Subscription Version status is now set to 'Pending'.
9.	SP- Conditional	If the Service Provider under test supports a separate SOA channel for notifications, verify that all notifications were sent down the appropriate channel configured for notifications.	SP	Notifications were sent using the channel configured for notifications.

A. TEST IDENTITY

Test Case Number:	**NANC 201-39**	**Priority:**	Conditional
Objective:	SOA– Service Provider Personnel perform a Subscription Version query, specifying Timer Type and Business Hours Type – (when the 'SOA Supports Timer Type and SOA Supports Business Type' are set to 'FALSE' for this Service Provider) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3, R5-74.4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.6.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 201-41**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel perform a Subscription Version query, specifying Timer Type and Business Hours Type – (when the 'LSMS Supports Timer Type and LSMS Supports Business Type' are set to 'FALSE' for this Service Provider) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3, R5-74.4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.6.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release 1.0

A. TEST IDENTITY

Test Case Number:	NANC 201-42	**Priority:**	Conditional
Objective:	SOA– Service Provider Personnel perform a Subscription Version query, specifying Timer Type and Business Hours Type – (when the 'SOA Supports Timer Type and SOA Supports Business Type' are set to 'TRUE' for this Service Provider) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3, R5-74.4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.6.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0

A. TEST IDENTITY

Test Case Number:	NANC 201-44	**Priority:**	Conditional
Objective:	LSMS– Service Provider Personnel perform a Subscription Version query, specifying Timer Type and Business Hours Type – (when the 'LSMS Supports Timer Type and LSMS Supports Business Type' are set to 'TRUE' for this Service Provider) – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 201 – Unique Set of Timers
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3, R5-74.4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.6.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release 1.0

9.1.10NANC 203 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 2**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, create an Intra-Service Provider Subscription Version, specifying WSMSC DPC and SSN information – the Service Provider's SOA DOES NOT Support WSMSC DPC and SSN Data – Error		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-4, RR5-6.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

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:	Verify that the Service Provider's SOA Supports WSMSC DPC and SSN Data tunable is set to 'FALSE'.
Prerequisite SP Setup:	Verify that the NPA-NXX you are going to specify in your Subscription Version request is open for porting on the NPAC SMS.

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	SP	1. Service Provider Personnel, using their SOA System, submit a request to the NPAC SMS to create an Intra-Service Provider Subscription Version. Specify WSMSC DPC and SSN Data in the Subscription Version request. 2. The Service Provider SOA issues an M-ACTION Request subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	1. The NPAC SMS receives the Request from the SOA and determines that the request contains WSMSC data, but the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE' **(this violates system requirements)**. 2. The NPAC SMS rejects the request and issues an M-ACTION Error Response in CMIP (or NCRR – NewSpCreateReply in XML) back to the Service Provider SOA indicating a failure **(invalidArgumentValue).**
2.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was not created.	NPAC	The Subscription Version was not created.

3.	SP - optional	Service Provider Personnel, using the SOA/ SOA LTI, perform an NPAC query for the Subscription Version to verify that it was not created.	SP	The Subscription Version was not created.
4.	SP - conditional	Service Provider Personnel, using the SOA, perform a local query for the Subscription Version to verify that it was not created.	SP	The Subscription Version was not created.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 3**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, attempt to modify WSMSC DPC and/or SSN information for a pending Subscription Version – the Service Provider's SOA Supports WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-27.1, R5-29.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.3 Subscription Version Modify Prior to Activate Using M-ACTION

Test Case procedures incorporated into test case 8.1.2.2.1.2 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 4**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, attempt to modify WSMSC DPC and/or SSN information for a pending Subscription Version – the Service Provider's SOA DOES NOT Support WSMSC DPC and SSN Data – Error		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-27.1, R5-29.1
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:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'FALSE'.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider personnel, using their SOA system, take action to modify WSMSC DPC and SSN Data for a Pending Subscription Version. This SOA does not support WSMSC DPC and SSN Data. 2. The SOA system issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.	NPAC	1. The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE' **(this violates system requirements)**. 2. The NPAC SMS rejects the modify request and issues an M-ACTION Error Response in CMIP (or MODR - ModifyReply in XML) back to the originating Service Provider SOA indicating a failure **(invalidArgumentValue).**
2.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was not modified.	NPAC	The Subscription Version was not modified.
3.	SP - conditional	Service Provider Personnel, using the SOA/ SOA LTI, perform an NPAC query for the Subscription Version to	SP	The Subscription Version was not modified.

		verify that it was not modified.		
4.	SP - optional	Service Provider Personnel, using the SOA, perform a local query for the Subscription Version to verify that it was not modified.	SP	The Subscription Version was not modified.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 7**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel modify an Active Subscription Version without including the WSMSC DPC and SSN Data – the Service Provider's SOA DOES NOT supports WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-36, R5-38.1
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:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'FALSE'.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider personnel, using their SOA system, modify an Active Subscription Version. The WSMSC DPC and SSN Data are not sent in the Subscription Version request. This SOA does not support WSMSC DPC and SSN Data. 2. The SOA system issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.	NPAC	The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'FALSE', and the WSMSC data is not included in the request.
2	NPAC	The NPAC SMS accepts the modify request and issues an M-SET to modify the requested attributes in the subscriptionVersionNPAC object and set the	NPAC	The NPAC SMS issues an M-SET response.

		subscriptionModifiedTimeStamp.		
3	NPAC	NPAC SMS replies to the subscriptionVersionModify Request in CMIP (or MODR - ModifyReply in XML) with a successful response.	SOA	SOA receives the response.
4	NPAC	NPAC SMS issues an M-SET to update the subscriptionVersionNPAC object's subscriptionVersionStatus to 'sending'.	NPAC	NPAC SMS responds to M-SET.
5	NPAC	The NPAC SMS issues an M-SET in CMIP (or SVMD – SvModifyDownload) to all LSMSs who are receiving downloads for the NPA-NXX. If the LSMS supports WSMSC DPC and SSN Data, the download will contain those attributes with NULL values.	LSMS	Each LSMS, who is accepting downloads for the NPA-NXX, responds successfully to the M-SET request in CMIP (or DNLR – DownloadReply in XML).
6	NPAC	NPAC issues an M-SET to itself to set the subscriptionVersionStatus to 'active' and the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS responds to M-SET.
7		NPAC SMS sends a subscriptionVersionStatusAttributeValueChange M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New Service Provider SOA.		The New Service Provider SOA issues M-EVENT-REPORT confirmation to in CMIP (or NOTR – NotificationReply in XML) the NPAC SMS.
8.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was modified.	NPAC	The Subscription Version was modified.
9.	SP - conditional	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
10.	SP - optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
11.	NPAC	NPAC Personnel perform a full audit for the subscription version that was modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issues, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 8**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel attempt to modify the LRN for an Active Subscription Version without including the WSMSC DPC and SSN Data – the Service Provider's SOA Supports WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-36, R5-38.1
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:	Verify that the Service Provider's SOA WSMSC DPC SSN Data Indicator is set to 'TRUE'.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. New Service Provider personnel, using their SOA system, take action to modify the LRN for an Active Subscription Version. The WSMSC DPC and SSN Data is not sent in the Subscription Version request. This SOA supports WSMSC DPC and SSN Data. 2. The SOA system issues an M-ACTION Request subscriptionVersionModify in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.	NPAC	1. The NPAC SMS receives the Request from the Service Provider SOA and determines that the SOA WSMSC DPC SSN Data Indicator for this Service Provider is set to 'TRUE', however the WSMSC data is not included in the request **(this violates system requirements)**. 2. The NPAC SMS rejects the modify request and issues an M-ACTION Error Response in CMIP (or MODR - ModifyReply in XML) back to the originating Service Provider SOA indicating a failure **(invalidArgumentValue).**
2.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was not modified.	NPAC	The Subscription Version was not modified.

3.	SP - conditional	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was not modified.	SP	The Subscription Version was not modified.
4.	SP - optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was not modified.	SP	The Subscription Version was not modified.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 11**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel submit a Subscription Version Query, specifying WSMSC DPC and SSN Data to the NPAC SMS – the Service Provider's SOA Supports WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-74.4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 12**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel submit a Subscription Version Query, specifying WSMSC DPC and SSN Data to the NPAC SMS – the Service Provider's SOA DOES NOT Support WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.1.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 14**	**Priority:**	Conditional
Objective:	LSMS – Service Provider Personnel submit a Subscription Version Query, specifying WSMSC DPC and SSN Data to the NPAC SMS – the Service Provider's LSMS DOES NOT Support WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R4-29, R5-74.3
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.6 Subscription Version Query

Test Case procedures incorporated into test case 8.1.2.7.2.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 15**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create an Inter-Service Provider Subscription Version for a single TN when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for both Service Providers and this is the first port for the NPA-NXX of this TN – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-15.1, R5-18.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case procedures incorporated into test case 8.1.2.1.1.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 16**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel create Inter-Service Provider Subscription Versions for a range of TNs when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for both Service Providers – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R5-15.1, R5-18.1
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.2 Subscription Version Create by the Initial SOA (New Service Provider)

Test Case procedures incorporated into test cases NANC 201-2, NANC 201-6, and NANC 201-10 for Release 2.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 19**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, create an Intra-Service Provider Subscription Version for a single TN when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for the Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-6.1, RR5-4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.16 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 20**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel, create Intra-Service Provider Subscription Versions for a range of TNs when the SOA WSMSC DPC SSN Data Indicator is set to 'TRUE' for the Service Provider – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-6.1, RR5-4
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.11 Subscription Version Create for Intra-Service Provider Port

Test Case procedures incorporated into test case 8.1.2.1.1.17 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 23**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, activate a 'pending' Subscription Version that contains WSMSC DPC and SSN Data. At least 1 LSMS is connected to the NPAC, and Supports WSMSC DPC and SSN Data– Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.5 Subscription Version Activate by New Service Provider SOA B.5.1.6 Active Subscription Version Create on Local SMS

Test Case procedures incorporated into test case 8.1.2.4.1.1 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 – 24**	**Priority:**	Conditional
Objective:	SOA – New Service Provider Personnel, activate 'pending' Subscription Versions for a range of TNs that contain WSMSC DPC and SSN Data. At least 1 LSMS is connected to the NPAC and DOES NOT Support WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.1.5 Subscription Version Activate by New Service Provider SOA B.5.1.6 Active Subscription Version Create on Local SMS

Test Case procedures incorporated into test case 8.1.2.4.1.4 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 - 27**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel Initiate Full Audit (all data attributes), Range of TNs, No Discrepancies – the Service Provider's LSMS Supports WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R8-3, R8-9
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.2.1 SOA Initiated Audit

Test Case procedures incorporated into test case Audit_2 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 - 28**	**Priority:**	Conditional
Objective:	SOA – Service Provider Personnel Initiate Partial Audit (some data attributes, including WSMSC DPC and SSN Data), Range of TNs, With Discrepancies– the Service Provider's LSMS Supports WSMSC DPC and SSN Data -- Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R8-3, R8-9
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.2.1 SOA Initiated Audit

Test Case procedures incorporated into test case Audit_3 for Release 1.0.

A. TEST IDENTITY

Test Case Number:	**NANC 203 - 29**	Priority:	Conditional
Objective:	SOA – Service Provider Personnel Initiate Partial Audit (some data attributes, including WSMSC data), Single TN, With Discrepancies– the Service Provider's LSMS Supports WSMSC DPC and SSN Data – Success **Note**: Partial Audits are supported only by CMIP. Partial audits are not supported by XML. However, step 3 message naming does apply to the XML interface for queries to XML LSMSs.		

B. REFERENCES

NANC Change Order Revision Number:	N/A	Change Order Number(s):	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R8-3, R8-9
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.2.1 SOA Initiated Audit B.2.1.1 SOA Initiated Audit (continued)

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:	1. Verify that the Service Provider's LSMS WSMSC DPC SSN Data Indicator is set to "TRUE". 2. Verify the Subscription Versions exist for TNs to be used in the audit. 3. No discrepancies exist between NPAC and the audited LSMS for the TNs to be used in the audit.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SOA	SP SOA sends a partial audit request in CMIP to NPAC specifying the following: • subscription Audit Name • subscription Audit Requesting SP • subscription Audit SP ID Range (If SP supports the implementation) • subscription Audit TN • subscription Audit Attribute List (some data attributes)	NPAC	1. The NPAC SMS receives the valid request from SOA. 2. The NPAC SMS responds in CMIP to SOA's M-CREATE request. 3. The NPAC SMS sets audit status to "in-progress."

		• subscription Audit TN Activation Range.		
2.	NPAC	The NPAC SMS sends M-EVENT-REPORT in CMIP of the audit object creation to SOA.	SOA	The SOA confirms in CMIP receipt of the M-EVENT-REPORT.
3.	NPAC	The NPAC SMS begins audit. NPAC issues a scoped and filtered M-GET in CMIP (or QLVQ – QueryLsmsSvRequest in XML) for the SVs in the audit to all LSMSs accepting downloads for the NPA-NXX of the SV.	LSMS	The LSMSs return in CMIP the M-GET query (or QLVR – QueryLsmsSvReply in XML) for data containing the WSMSC DPC and SSN Data, if supported.
4.	NPAC	1. The NPAC SMS compares each SV object. Discrepancies are found. 2. The NPAC SMS issues a subscription Audit Discrepancy Report M-EVENT-REPORT in CMIP to SOA. 3. The NPAC SMS issues corrections to LSMSs.	SOA; LSMS	1. The SOA confirms the discrepancy M-EVENT-REPORT in CMIP containing the WSMSC DPC and SSN Data from NPAC. 2. The LSMSs perform the corrections received from NPAC.
5.		1. The NPAC SMS sets audit status to complete. 2. The NPAC SMS records audit results in audit log. 3. The NPAC SMS issues subscription Audit Results M-EVENT-REPORT in CMIP to SOA.	SOA	The SOA confirms in CMIP the audit results M-EVENT-REPORT from NPAC.
6.	NPAC	The NPAC SMS issues an objectDeletion M-EVENT-REPORT in CMIP to the SOA.	SOA	SOA confirms in CMIP the objectDeletion M-EVENT-REPORT.
7.	NPAC	The NPAC SMS deletes the subscription Audit object on the NPAC.	NPAC	The Audit object is deleted
8.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it was modified.	NPAC	The Subscription Version was modified.
9.	SP - Conditional	Service Provider Personnel, using either the SOA/ SOA LTI or LSMS, perform an NPAC query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.
10.	SP - Optional	Service Provider Personnel, using either the SOA or LSMS, perform a local query for the Subscription Version to verify that it was modified.	SP	The Subscription Version was modified.

A. TEST IDENTITY

Test Case Number:	**NANC 203 - 30**	**Priority:**	Conditional
Objective:	NPAC OP GUI – NPAC Personnel Initiate a Bulk Data Download of Subscription Data– The Service Provider's LSMS DOES NOT Support WSMSC DPC and SSN Data – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R3-8
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	N/A

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:	Verify that the Service Provider's LSMS WSMSC DPC SSN Data Indicator is set to "FALSE".
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	NPAC Personnel request a Bulk Data Download for Subscription Data for the Service Provider.	NPAC	1. The NPAC SMS receives the request from the NPAC OP GUI. 2. The NPAC SMS generates the Bulk Data Download File, which does not include WSMSC DPC and SSN Data.
2.	SP	Service Provider Personnel FTP the Bulk Data Download File and load the file into their LSMS.		
3.	SP - Optional	Service Provider Personnel, using their LSMS, perform a local query for the Subscription Data to verify that the Subscription Version data was loaded.	SP	The Subscription Version data was loaded and did not include WSMSC DPC and SSN Data.
4.	NPAC	NPAC Personnel perform a full audit for the subscription versions included in the download file processed by the Service Provider system.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**NANC 203 - 32**	**Priority:**	
Objective:	NPAC OP GUI - NPAC Personnel submit a Mass Update request specifying WSMSC DPC Values for a specific Service Provider in a single region. – Success		

B. REFERENCES

NANC Change Order Revision Number:	N/A	**Change Order Number(s):**	NANC 203 – Wireless Addition of WSMSC DPC and SSN Information
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	R3-7.1, R3-7.2
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.8.3 Mass Update **Note:** Per IIS3_4_1aPart2, "Mass Update" is described in scenario B.8.3.

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:	Verify that some Subscription Versions exist with a status of old, partial failure, sending, canceled and disconnect pending for the WSMSC DPC values you are going to specify for a Mass Update.
Prerequisite SP Setup:	

E. TEST STEPS and EXPECTED RESULTS

	NPAC or SP	**Test Step**	**NPAC or SP**	**Expected Result**
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a request for a Mass Update by specifying WSMSC DPC values for a specific Service Provider in a single region.	NPAC	The NPAC SMS searches the Subscription Version database for the Subscription Versions that match the selection criteria. For all objects that match the criteria, the following occurs: • The NPAC SMS creates a Subscription Version with a new Subscription Version ID and a status of 'old' for each of the active Subscription Versions that are being modified as a result of the Mass Update request. • The NPAC SMS logs an exception for each Subscription Version with the WSMSC DPC values specified for the Mass Update that has a status of either old, partial failure, sending, canceled or disconnect pending.
2.	NPAC	The NPAC SMS issues an M-SET Request subscriptionVersion in CMIP (or SVMD –	SP	Each LSMS in the region that is accepting downloads for this NPA-NXX and supports WSMSC DPC and SSN Data receives the Request

		SvModifyDownload in XML) to each LSMS in the region that is accepting downloads for this NPA-NXX to modify the specified attribute(s) for the Mass Update Request.		from the NPAC SMS, updates the specified attribute(s) for the Subscription Versions and issues an M-SET Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.
3.	NPAC	The NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN modified to the Current Service Provider SOA to set the subscriptionVersionStatus to 'active'.	SP	The Current Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS for each notification received indicating it received the NPAC Request successfully.
4.	NPAC	Using the NPAC OP GUI, request a Mass Update Exception Report by specifying a time range that corresponds to the creation timestamp for the 'exception' log entries created as a result of the Mass Update requested.	NPAC	The NPAC SMS generates a Mass Update exception report to the specified destination, ordered by timestamp, including the following information for the Subscription Versions that were not updated during Mass Update processing: • Subscription Version ID • TN • Current Service Provider • Event ID of the Mass Update Request • Timestamp of the Mass Update exception • Subscription Version status at the time of exception
5.	NPAC	NPAC Personnel query for the Subscription Versions that have been modified.	NPAC	The Subscription Versions have been modified appropriately.
6.	NPAC	NPAC Personnel perform a full audit for the subscription versions updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were sent as a result of performing the audit. If updates were issued, the LSMS fails this test case.

9.1.11 NANC 214 Related Test Cases:

A. TEST IDENTITY

Test Case Number:	**NANC 214 - 1**	**Priority:**	Required
Objective:	SOA – Old Service Provider personnel successfully put a pending Subscription Version into conflict using an Old Service Provider create after the Conflict Restriction Window Tunable Time has been reached but before the Final Concurrence Timer (T2) has expired. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.4 – Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

Test case superseded by NANC 218 - 2 functionality implemented in NPAC SMS Release 3.3.

A. TEST IDENTITY

Test Case Number:	**NANC 214 - 2**	**Priority:**	Required
Objective:	SOA – Old Service Provider personnel successfully put a range of pending Subscription Versions into conflict using an Old Service Provider create after the Conflict Restriction Window Tunable Time has been reached but before the Final Concurrence Timer has expired. – Success		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.5.4 – Subscription Version Conflict by Old Service Provider Explicitly Not Authorizing (First Create)

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:	Verify that a range of pending Subscription Versions has been created where the Service Provider under test is the Old Service Provider, the due date is today, and the Final Concurrence Timer has not expired. Verify the SOA Supports Medium Timer Indicator is set to production value for the service provider under test; to meet the objective of this test case, if the service provider under test *does* support MTI, the value should be set to FALSE.
Prerequisite SP Setup:	

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 create a Request with the authorization flag set to "FALSE" for a range of 'pending' Subscription Versions where they are the Old Service Provider, the due date is today and the Final Concurrence Timer has not expired.	SP	The SOA issues a subscriptionVersionOldSP-Create M-ACTION Request in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M-ACTION Request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Service Provider.	NPAC	The NPAC SMS sets the Subscription Version to conflict and sets all of the other values from the Request.
3.	NPAC	The NPAC SMS issues an M-ACTION Response in CMIP (or	SP	The SOA receives the successful Response.

		OCRR – OldSpCreateReply in XML).		
4.	NPAC	The NPAC SMS issues an M-EVENT-REPORT StatusAttributeValueChange in CMIP (VATN – SvAttributeValueChangeNotification in XML) for each Subscription Version in the range to the New Service Provider SOA including the status change to conflict and the reason for conflict.	SP	The New Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) for each Subscription Version in the range to the NPAC SMS.
5.	NPAC	The NPAC SMS issues an M-EVENT-REPORT StatusAttributeValueChange in CMIP (VATN – SvAttributeValueChangeNotification in XML) to the Old Service Provider SOA including the status change to conflict and the reason for conflict.	SP	The Old Service Provider SOA issues an M-EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it is conflict.	NPAC	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.
7.	SP – conditional	Service Provider Personnel using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Version to verify that it is in conflict.	SP	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.
8.	SP - optional	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that it is in conflict.	SP	The Subscription Version has a status of 'conflict', the cause code, the authorization time stamp, and the Old Service Provider due date is set and the authorization flag is set to False.

A. TEST IDENTITY

Test Case Number:	**NANC 214 - 3**	**Priority:**	Required
Objective:	SOA – Old Service Provider personnel attempt to put a 'pending' Subscription Version into conflict using the subscriptionVersionModify action. This action is issued after they have concurred to the port and after the Conflict Restriction Window Tunable Time has been reached. – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today12 hoursToday
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
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:	Verify that a 'pending' Subscription Version has been created by the New Service Provider and concurred by the Old Service Provider where the Service Provider under test is the Old Service Provider, they have already concurred to the port, and the due date is today within 12 hours.
Prerequisite SP Setup:	

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 create a subscriptionVersionModify M-ACTION Request to set the authorization flag to "FALSE" for a pending Subscription Version where they are the Old Service Provider, they have previously concurred to the port within 12 hours.	SP	The SOA issues a subscriptionVersionModify M-ACTION Request 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.	NPAC	1. The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. **(This violates system requirements.)** 2. The NPAC SMS rejects the request. 3. The NPAC SMS logs an error indicating that the subscriptionVersionModify M-ACTION failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-ACTION Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating **accessDenied**.
3.	SP	The Old SOA receives the M-ACTION response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it does not have a status of 'conflict'.	NPAC	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not reset and the authorization flag is set to 'True'.
5.	SP – conditional	Service Provider Personnel using either the SOA or SOA LTI perform an NPAC query for the Subscription Version to verify that it is does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
6.	SP - optional	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.

A. TEST IDENTITY

Test Case Number:	**NANC 214 - 4**	**Priority:**	Required
Objective:	SOA – Old Service Provider personnel attempt to put a range of 'pending' Subscription Versions into conflict using the subscriptionVersionModify action after the Conflict Restriction Window Tunable Time has been reached. – Error		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today12 hoursToday
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
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:	Verify that a range of 'pending' Subscription Versions has been created by the New Service Provider and concurred by the Old Service Provider where the Service Provider under test is the Old Service Provider and the due date is within 12 hours.
Prerequisite SP Setup:	

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 create a subscriptionVersionModify M-ACTION Request to set the authorization flag to "FALSE" for a range of 'pending' Subscription Versions where they are the Old Service Provider within 12 hours.	SP	The SOA issues a subscriptionVersionModify M-ACTION Request 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.	NPAC	1. The NPAC SMS determines that the Subscription Versions status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. **(This violates system**

				requirements.) 2. The NPAC SMS rejects the request. 3. The NPAC SMS logs an error indicating that the subscriptionVersionModify M-ACTION failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-ACTION Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating **accessDenied**.
3.	SP	The Old SOA receives the M-ACTION Error Response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that it is not in conflict.	NPAC	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
5.	SP – conditional	Service Provider Personnel, using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
6.	SP - optional	Service Provider Personnel using the SOA perform a local query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set, and the authorization flag is set to 'True'.

A. TEST IDENTITY

Test Case Number:	**NANC 214-5**	**Priority:**	Conditional
Objective:	SOA – Old Service Provider personnel attempt to put a 'pending' Subscription Version into conflict using the Subscription Version M-SET. This action is issued after they have concurred to the port and after the Conflict Restriction Window Tunable Time. – Error **Note:** Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, "SubscriptionVersion Modify Prior to Activate Using M-ACTION".		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.4 Subscription Version Modify Prior to Activate Using M-SET

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:	Verify that a 'pending' Subscription Version has been created where the Service Provider under test is the Old Service Provider, they have already concurred to the port, and the due date is today.
Prerequisite SP Setup:	

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 create an M-SET Subscription Version Modify Request to set the authorization flag to "FALSE" for a pending Subscription Version where they are the Old Service Provider, they have previously concurred to the port, and the due date is today..	SP	The SOA issues an M-SET Subscription Version Modify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M-SET Request in CMIP (or MODQ – ModifyRequest in XML) from the Old Service Provider.	NPAC	1. The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. **(This violates system requirements.)**

				2. The NPAC SMS rejects the request. 3. The NPAC SMS logs an error indicating that the M-SET Subscription Version Modify failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-SET Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating **accessDenied**.
3.	SP	The Old SOA receives the M-SET response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Version is not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Version to verify that it is does not have a status of 'conflict'.	NPAC	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.
5.	SP – conditional	Service Provider Personnel, using either the SOA or SOA LTI perform an NPAC SMS query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date rare not set and the authorization flag is set to 'True'.
6.	SP - optional	SP Personnel the using SOA perform a local query for the Subscription Version to verify that it does not have a status of 'conflict'.	SP	The Subscription Version has a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to 'True'.

A. TEST IDENTITY

Test Case Number:	**NANC 214-6**	**Priority:**	Required
Objective:	SOA – Old Service Provider personnel attempt to put a range of 'pending' Subscription Versions into conflict using an M-SET after the Conflict Restriction Window Tunable Time has been reached. – Error **Note:** Per IIS3_4_1aPart2, the flow for scenario B.5.2.4 is not available over the XML interface. This functionality is handled by flow B.5.2.3, "SubscriptionVersion Modify Prior to Activate Using M-ACTION".		

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 214 – Conflict Functionality with Due Date = Today
NANC FRS Version Number:	2.0.0	**Relevant Requirement(s):**	RR5-51
NANC IIS Version Number:	2.0.1	**Relevant Flow(s):**	B.5.2.4 Subscription Version Modify Prior to Activate Using M-SET

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:	Verify that a range of pending Subscription Versions has been created where the Service Provider under test is the Old Service Provider and the due date is today.
Prerequisite SP Setup:	

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 create an M-SET Subscription Version Modify Request to set the authorization flag to "FALSE" for a range of pending Subscription Versions where they are the Old Service Provider, and the due date is today.	SP	The SOA issues an M-SET Subscription Version Modify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS.
2.	NPAC	The NPAC SMS accepts the M-SET Request in CMIP (or MODQ – ModifyRequest in XML) from the Service Provider.	NPAC	1. The NPAC SMS determines that the Subscription Version status cannot be changed to conflict because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. **(This violates system requirements.)** 2. The NPAC SMS rejects the request. 3. The NPAC SMS logs an error indicating that the

				M-SET Subscription Version Modify failed because the Old Service Provider had previously concurred to the port and the Conflict Restriction Window Tunable Time has been reached. 4. The NPAC SMS issues an M-SET Error Response in CMIP (or MODR – ModifyReply in XML) to the SOA indicating **accessDenied**.
3.	SP	The Old SOA receives the M-SET Error Response in CMIP (or MODR – ModifyReply in XML).	SP	The Subscription Versions are not modified.
4.	NPAC	NPAC Personnel perform a query for the Subscription Versions to verify that it does not have a status of 'conflict'.	NPAC	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date are not set and the authorization flag is set to True.
5.	SP – conditional	Service Provider Personnel, using either the SOA or SOA LTI an NPAC SMS query for the Subscription Versions to verify that it does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending', the cause code, the authorization time stamp, and the Old Service Provider due date rare not set and the authorization flag is set to True.
6.	SP - optional	Service Provider Personnel using the SOA perform a local query for the Subscription Version to verify that does not have a status of 'conflict'.	SP	The Subscription Versions have a status of 'pending, the cause code, the authorization time stamp, and the Old Service Provider due date are not set, and the authorization flag is set to True.

End of Chapter