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 11

November 30, 2013
Release 3.4.6

Table of Contents

11. Individual Turn Up Test Scenarios related to NPAC Release 3.1.

Section 11 contains all test cases written for individual Service Provider Turn Up testing of Release 3.1.x of the NPAC software.

11.1 NANC 179 – TN Range Notification Test Cases

NOTE: Before proceeding with the test cases in this section, the NPAC and Service Provider Test Engineers need to do some coordination and planning so that test cases that require consecutive SVIDs across multiple TN ranges can be set up.

A. TEST IDENTITY

Test Case Number:	**2.1**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to their production value. New SP does not submit their create request. Initial and Final Concurrence Windows expire. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-237, RR3-239, RR5-113, RR5-115, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.1.1, B.5.1.4.3, B.5.1.4.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to the production value for the Old Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that this is the first port for the NPA-NXX. 4. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least two consecutive TNs. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML)	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC for the range of TNs they wish to create.		
2.	NPAC	1. NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for each TN in the range to create the respective subscription versions on the NPAC SMS. 2. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles and if both Service Providers indicated in the port request support the Medium Timer Indicator, then the OldSPMediumTimerIndicator value is also considered.	NPAC	NPAC SMS receives each M-CREATE Request subscriptionVersionNPAC for each TN in the range and issues an M-CREATE Response subscriptionVersionNPAC to itself for each TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for each subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription versions were successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old SP SOA that contains one set of subscription version information for the range of TNs containing the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSp-DueDate • subscriptionOldSP-Authorization	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

		• subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionOldSPMediumTimerIndicator (if supported)		
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported)	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• subscriptionBusinessType (if supported) • subscriptionOldSPMediumTimerIndicator (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC SMS determines this is the first use for the NPA-NXX. 1. NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all LSMSs in the region accepting downloads for the NPA-NXX. 2. NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to Old and New SP SOAs.	SP	1. All LSMSs in the region accepting downloads for the NPA-NXX receives the M-EVENT-REPORT and issue an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. 2. Old SP SOA receives the M-EVENT-REPORT and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS. 3. New SP SOA receives the M-EVENT-REPORT and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.
9.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of ‘pending’.
10.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’.
11.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.
12.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN’s the Old SP created.	SP	New SP SOA **DOES NOT** respond to the create request and the Service Provider Concurrence Window tunable expires.
13.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based	SP	New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS.

		on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest in CMIP (or VNIN – SvNewSpCreateNotification in XML) for each TN in the range.		

14.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
15.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Final Concurrence Window expires.
16.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration in	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Final Create Window Expiration Notification Indicator setting.

		CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the Old SP SOA according to their Final Create Window Expiration Notification Indicator setting
		• If the setting is TRUE, they will receive the notification containing the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, no notification is sent.		

17.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
18.	NPAC	If the Final Create Window Expiration Notification Indicator is set to TRUE, NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or (or VNFN –	SP	New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator.

		SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) for each TN in the range. • If the Final Create Window Expiration Notification Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.		
19.	SP	If the notification was received the New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	If sent, NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
20.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of ‘pending’.
21.	SP – Optional	Via the SOA, Old SP Personnel perform a local query for the subscription versions created during	SP	The subscription versions exist with a status of ‘pending’.

		this test case.		
22.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.2**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create a range of 3 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to their production value. Old Service Provider Personnel does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1,1, B.5.1.2, B.5.1.4.1, B.5.1.4.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to the production value for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least three consecutive TNs. Specify a due date that is equal to or greater than the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	1. NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for each TN in the range to create the respective subscription	NPAC	NPAC SMS receives each M-CREATE Request subscriptionVersionNPAC for each TN in the range and issues an M-CREATE Response subscriptionVersionNPAC to itself for each TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and

		versions on the NPAC SMS. 2. The NPAC SMS proceeds to set the Initial and Final Concurrence Timers for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type 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.		subscriptionCreationTimeStamp to the current date and time for each subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionNewSPMediumTimerIndicator (if supported)	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionId
		  • subscriptionTN
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionNewSP-DueDate
		  • subscriptionNewSP-CreationTimeStamp
		  • subscriptionVersionStatus
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		  • subscriptionNewSPMediumTimerIndicator (if supported)
		• If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for each TN in the range.
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription	NPAC	The subscription versions exist with a status of ‘pending’.

		versions created in this test case.		
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA **DOES NOT** respond to the create request and the Initial Concurrence Window expires.

12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-ConcurrenceRequest notification in CMIP (or VOIN – SvOldSpConcurrence Notification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionNewSP
		  • subscriptionNewSP-DueDate
		  • subscriptionNewSP-CreationTimeStamp
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) for each TN in the range.
			SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

13.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA **DOES NOT** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.

15.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-FinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) for each TN in the range.
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator

16.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	If the SV old SP final concurrence timer expiration notify to new SP priority is set, NPAC SMS issues an M-EVENT-	SP	If the New Service Provider supports it, their SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Final Concurrence interval and issues an M-

		REPORT subscriptionVersionOldSPFinalConcurrenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the New Service Provider SOA at the Final interval.		EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
18.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
19.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
20.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create one Inter-Service Provider subscription version. Their Customer TN Range Notification Indicator is set to their production value. Both Old and New Service Providers do their creates. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for one TN. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS for the range of TNs they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for

				the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionNewSPMediumTimerIndicator (if supported)	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionNewSPMediumTimerIndicator (if supported) • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for the same TN as created by the New SP in Row	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		1. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC for the TN.		
12.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives each M-SET Request subscriptionVersionNPAC for the TN and issues an M-SET Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionVersionOld-SP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the subscription version.
13.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS
14.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

15.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		(if supported) • subscriptionOldSPMediumTimerIndicator (if supported) • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN.		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionOldSPMediumTimerIndicator (if supported)	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.

20.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
21.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel create a range 5 of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. New Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.4.3, B.5.1.4.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicators are set to TRUE for both Service Providers. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 3. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID B Service Provider Personnel, take action, as the Old SP, to create Inter-Service Provider subscription versions for a range of 5 TNs with SPID A as the New Service Provider and submits the request to the NPAC SMS via the 'Primary' SPID's (SPID A) association. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. Old SP (SPID A) issues an M-ACTION Request subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS care of SPID	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA (SPID B) and verifies that each attribute specified is valid according to system requirements.

		A's SOA association.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the subscription versions.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA (SPID B) indicating the subscription versions were successfully created.	SP	Old SP SOA (SPID B) receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old SP SOA (SPID B) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionOldSPMediumTimerIndicator (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA (SPID B).

		NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA (SPID A) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionOldSPMediumTimerIndicator (if supported)	SP	New SP SOA (SPID A) receives the M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) for the TNs
7.	SP	New SP SOA (SPID A) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA (SPID A).
8.	NPAC	NPAC Personnel perform a query for the subscription versions created in this test case.	NPAC	The subscription versions exist with a status of ‘pending’.
9.	SP – Optional	Via their SOA, Old SP Personnel (SPID B) perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’.
10.	SP – Conditional	Old SP Personnel (SPID B) perform an NPAC SMS query for the	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.

		subscription versions created during this test case.		
11.	NPAC	NPAC SMS waits for concurrence from the New SP (SPID A) for the range of TN's the Old SP (SPID B) created.	SP	New SP SOA (SPID A) **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML) to the New SP SOA (SPID A) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	New SP SOA (SPID A) receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS.
13.	SP	New SP SOA (SPID A) issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	• NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA (SPID A).
14.	NPAC	NPAC SMS waits for concurrence from the New SP (SPID A) for the range of TN's the Old SP (SPID B) created.	SP	New SP SOA (SPID A) **does not** respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration in	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Final Create Window Expiration Notification Indicator.

		CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the Old SP SOA (SPID B) according to their Final Create Window Expiration Notification Indicator:
		• If the setting is TRUE, they will receive the M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, no notification is sent.		

16.	SP	If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	If sent, the NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA (SPID B).
17.	NPAC	Once the final Concurrence Window has expired the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the New SP SOA (SPID A) according to their Final Create Window Expiration Notification Indicator setting	SP	New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator.

		• If the setting is TRUE, they will receive the M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE, no notification is sent.		

18.	SP	If the notification was received, the New SP SOA (SPID A) issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	If sent, NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of ‘pending’.
20.	SP – Optional	Old SP Personnel (SPID B) perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription versions exist with a status of ‘pending’.
21.	SP – Conditional	Old SP Personnel (SPID B) perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel create a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider. SPID B Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID A Service Provider has their Customer TN Range Notification Indicator set to FALSE. Old Service Provider does not respond. Initial and Final Concurrence Timers expire. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.4.1, B.5.1.4.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID A Service Provider. 2. Verify that the Customer TN Range Notification Indicator is set to TRUE for SPID B Service Provider. 3. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 4. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to create Inter-Service Provider subscription versions for a range of 15 TNs with SPID B as the Old Service Provider and submits the request to the NPAC SMS via the 'Primary' SPID's (SPID A) association. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. SPID A issues an M-ACTION Request subscriptionVersionNewSP-	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS care of SPID A's SOA association.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionModifiedTimeStamp and the subscriptionCreateTimeStamp to the current date and time for the subscription versions.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the SPID A indicating the subscription versions were successfully created.	SP	New SP SOA (SPID A) receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreateTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the Old SP SOA (SPID B) for range of 15 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • subscriptionNewSPMediumTimer indicator (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA (SPID B).

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT ObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA (SPID A) for each TN in the range.	SP	New SP SOA (SPID A) receives the M-EVENT-REPORTs in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
7.	SP	New SP SOA (SPID A) issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORTs from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA (SPID A).
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel (SPID A) perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
10.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the Old SP (SPID B) for the range of TN's the New SP (SPID A) created.	SP	Old SP SOA (SPID B) **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeOld SP-CreateRequest notification in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) to the Old SP SOA (SPID B) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionNewSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS.

13.	SP	Old SP SOA (SPID B) issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP (SPID B) for the range of TN's the New SP (SPID A) created.	SP	Old SP SOA (SPID B) **DOES NOT** respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalConcurrenceWindowExpiration notification in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) to the Old SP SOA (SPID B)that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) from the NPAC SMS.
16.	SP	Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA (SPID B).
17.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
18.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending'.
19.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.6**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to their production value. In the pre-requisite create process the range is submitted as two smaller ranges, each with unique DPC/SSN data but the TNs used in the ranges are contiguous and the SVIDs assigned by the NPAC SMS are contiguous. The activate request is submitted as one range. The activate request results in two notifications due to the unique DPC/SSN data used for each range in the create process. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider 3. Verify that 1000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. The first 500 TNs should have one set of DPC/SSN data and the second set of TNs should have another unique set of DPC/SSN data. The SVIDs should be consecutive for all 1000 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 1000 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs with another unique set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data and then 1500-1999 with another set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate a	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.

		range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues two M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. One M-CREATE Request is sent for the first 500 TNs with one set of DPC/SSN data and another M-CREATE Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Requests in CMIP (or SVCD – SvCreateDownload in XML) and verify that the requests are valid. 2. All LSMSs in the region issue respective M-CREATE Responses in CMIP (or DNLR – DownloadReply in XML) to the NPAC SMS. One for the first 500 TNs and one set of DPC/SSN data and one for the second set of 500 TNs and another set of DPC/SSN data. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatu	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the second set of 500 TNs that contain the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 1000 indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the first set of 500 TNs and a second M-EVENT-REPORT subscriptionVersionRangeStatu	SP	New SP SOA receives the M-EVENT-REPORT notifications in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the second set of 500 TNs that contain the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 1000 indicating the status is 'active'.		
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.7**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SVcreate process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The creates are submitted without any other activity in between to ensure that the SVIDs for the TNs in the ranges are contiguous. The activate request is submitted as one range. The activate request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.5, B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 200 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 200 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 200 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 200 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for the subscription versions to be activated during this test case. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 100 Inter-Service Provider subscription versions using the next 100 consecutive non-ported TNs with the same set of DPC/SSN data as the first 100 TN range. For example, create 1000-1099 with and then immediately create 1100-1199 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 200 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 200 Inter-Service Provider subscription versions. Specify	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.

		the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		ation in XML) for the range of 200 TNs with the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 200 indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the set of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the 200 TNs.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

		subscription versions activated during this test case.		
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.8**	**SUT Priority:**	**SOA**	R
			LSMS	R
Objective:	SOA – Service Provider Personnel activate a single SV. Their Customer TN Range Notification Indicator is set to their production value.– Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'pending' and includes SV Type and Optional Data elements based on what the New SP under test supports. 4. Verify that an 'active' subscription version does not currently exist for the TN to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for the subscription versions to be activated during this test case. 6. Verify that that Due Date has been reached for activating this subscription version. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	Create one Inter-Service Provider subscription version with SV Type and Optional Data elements configured as the Service Provider under test supports them and verify it is ready for activation.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a single Inter-Service Provider subscription version. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.

2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the request from the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		• If the setting is FALSE, the NPAC SMS issues an M-
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN that indicates the status is 'active':
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the TN.
10.	NPAC	NPAC Personnel perform a query for the subscription version activated in this test case.	NPAC	The subscription version exists with a status of 'active' with an empty Failed SP List.
11.	SP	Via their SOA &/or LSMS, SP Personnel perform a local query for the subscription version activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active' and SV Type and Optional Data element values

				as they support them.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version activated during this test case.	SP	The subscription version exists with a status of 'active' with an empty Failed SP List on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TN that was activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.9**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 500 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 250 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 500 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 250 Inter-Service Provider subscription versions using the next 250 consecutive non-ported TNs using the same set of DPC/SSN data as the first 250 TNs. For example, create 1000-1249, then perform other subscription version activities to TNs outside of the consecutive 500 TNs to be used in this test case, then create 1250-1499 with the same set of DPC/SSN data as was used for TNs 1000-1249. 4. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 500 Inter-Service Provider subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT	SP	The Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the 500 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 500 indicating the status is 'active'.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the 500 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

		during this test case.		
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were activated during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

NOTE: Lead NPAC Test Engineer is investigating the use of an LSMS simulator for this test case.

A. TEST IDENTITY

Test Case Number:	**2.10**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel activate a range of 100 SVs. Their Customer TN Range Notification Indicator set to TRUE. In the prerequisite SV create process the range is submitted as one range, all with the same feature data. One of the LSMSs has a problem creating all the TNs and responds with an M-EVENT-REPORT containing a few of the TNs from the range that it failed to create. NPAC responds to the SP with multiple notifications. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.5, B.5.1.6, B.5.1.8

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 100 consecutive subscription versions exist with a status of 'pending' for the New SP. All 100 TNs should have one set of DPC/SSN data and the SVIDs should be consecutive. 4. Verify that 'active' subscription versions do not currently exist on the NPAC for the range of 100 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred or the Concurrence Window for receiving the Old SP Create for the subscription versions to be activated during this test case has expired. 6. Verify that that Due Date has been reached for activating these subscription versions. 7. Ensure proper LSMS setup for Test Step 5 below to get the desired test case results.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. For example, create 1000-1099. 2. Verify that the SVIDs are consecutive for the full 200 TNs. 3. Verify that the subscription versions are ready to be activated.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 100 Inter-Service Provider subscription versions. Specify the range of 100 consecutive TNs described in the	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.

		prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request are valid. 2. All LSMSs in the region EXCEPT ONE, issue an M-ACTION Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. One LSMS in the region issues the following responses: • M-CREATE Response indicating success for the first 25 TNs (for example 1000-1024). • M-CREATE Response indicating failure for the next TN (for example 1025). • M-CREATE Response indicating success for the next 45 TNs (for example 1026-1070). • M-CREATE Response indicating failure for the next TN (for example 1071). • M-CREATE Response indicating success for the next 28 TNs (for example 1072-1099). 4. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based	SP	The Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML)

		on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues the following messages: 1. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the first range of 24 TNs (1000-1024)that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 2. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the next TN (1025) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 3. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the next range of 45 TNs (1026-1070) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus		from the NPAC SMS according to their Customer TN Range Notification Indicator.

		= 'active' 4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the next TN (1071) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the next range of 28 TNs (1072-1099) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'active' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 100. For 98 TNs (1000-1024, 1026-1070 and 1072-1099) that status will be 'active' for 2 TNs (1025 and 1071) the status will be 'partial fail' and the LSMS that failed the TNs will be specified in the FailedSP-List.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

		XML) to the NPAC SMS.		
8.	NPAC	NPAC SMS issues the following notifications to the New SP SOA: 1. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 28 TNs (1000-1024) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' 2. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for 1 TN (1025) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 3. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 45 TNs (1026-1070) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	New SP SOA receives the M-EVENT-REPORTs in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for 1 TN (1071) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'partial-failed' • subscriptionVersionFailedSP-List 5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 28 TNs (1072-1099) that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'		
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions.	NPAC	1. Subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. Subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	1. On the SOA, subscription version exists with an empty Failed SP List for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. On the SOA, subscription versions exist with a Failed SP List for 2 TNs (1025 and 1071). 3. On the LSMS, subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099).

12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	1. On the NPAC SMS subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). 2. On the NPAC SMS subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).

A. TEST IDENTITY

Test Case Number:	**2.11**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel modify a range of 200 active SVs. Their Customer TN Range Notification Indicator set to their production value. All TNs in the range have the same feature data and contiguous SVIDs. The modify active request is submitted as one range and results in one notification. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.1

C. PREREQUISITE

Prerequisite Test Cases:	NANC 179-4
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 200 consecutive subscription versions exist with a status of 'active' for the New SP. All 200 TNs should have one set of DPC/SSN data and the SVIDs are consecutive. 4. Verify the LRN to be used in this test case exists for the Service Provider under test.
Prerequisite SP Setup:	Verify that 200 consecutive subscription versions exist with a status of 'active'. All 200 TNs should have one set of DPC/SSN data and the SVIDs are consecutive.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the LRN for a range of 200 active Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for each TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion in CMIP (or SVMD – SvModifyDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request in CMIP (or SVMD – SvModifyDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-SET Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version modify on the local system as specified in the request from the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA.
		• If their TN Range Notification Indicator is set to TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the range of 200 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		• If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range setting the status to 'active' to the New SP SOA.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
9.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions modified during this test case.	SP	1. On the SOA, the subscription versions exist with an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.
11.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.12**	**SUT Priority:**	**SOA**	R
			LSMS	R
Objective:	SOA – Service Provider Personnel modify one active SV. Their Customer TN Range Notification Indicator set to their production value. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'active' for the New SP. 4. If the Service Provider under test supports Optional Data elements, this data should be configured for the range of SVs.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify a combination of required and optional data for the active Inter-Service Provider subscription version described in the prerequisites above. Required data includes: ▪ LRN ▪ SV Type – if supported by the Service Provider SOA Optional Data includes: ▪ CNAM DPC ▪ CNAM SSN ▪ ISVM DPC ▪ ISVM SSN ▪ CLASS DPC ▪ CLASS SSN ▪ LIDB DPC	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.

		▪ LIDB SSN ▪ WSMSC-DPC – if supported by the Service Provider SOA ▪ WSMSC-SSN – if supported by the Service Provider SOA ▪ Billing Service Provider ID ▪ End-User Location - Value ▪ End-User Location – Type ▪ Optional Data elements – if supported by the Service Provider SOA 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TN.		
2.	NPAC	NPAC SMS locates the respective subscription version and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for the TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion in CMIP (or SVMD – SvModifyDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request in CMIP (or SVMD – SvModifyDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-SET Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version modify on the local system as specified in the request from the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for the TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA. If their TN Range Notification setting is TRUE, NPAC issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the TN that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active' If their TN Range Notification setting is FALSE, NPAC issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the TN that contains the following attributes: • TN • SVID • subscriptionVersionStatus = 'active'		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'active' with an empty Failed SP List.
9.	SP	Via their SOA &/or LSMS, SP Personnel perform a local query for the subscription version modified during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active' and the SV Type and Optional Data element values as they support them.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'active' with an empty Failed SP List on the NPAC SMS
11.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.13**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel modify a range of 10 active SVs. Their Customer TN Range Notification Indicator set to their production value. The 'modify active' fails on one LSMS resulting in a subscription version status of 'active' with a Failed SP-List. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.1, B.5.2.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a range of 10 'active' Inter-Service Provider subscription versions with consecutive SVIDs and the same feature data exist with a status of 'active' for the New SP. 4. Verify that the LRN to be used in the modify active request exists for the New SP. 5. Verify that filters for the NPA-NXX are set and LSMSs configured such that the modify active request will fail on at least one LSMS.
Prerequisite SP Setup:	Verify that a range of 10 'active' Inter-Service Provider subscription versions with consecutive SVIDs and the same feature data exist with a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the LRN for the range of 10 'active' Inter-Service Provider subscription versions described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		status to 'sending' and the subscriptionBroadcastTimeStamp to the current date and time for the TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersion in CMIP (or SVMD – SvModifyDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-SET Request in CMIP (or SVMD – SvModifyDownload in XML) and verify that the request is valid. 2. NPAC SMS retries any LSMS that has not responded. 3. At least one LSMS in the region does not respond back to the NPAC SMS or responds with an error.
5.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'active' for the TNs in the request and updates the subscriptionVersionFailedSP-List with the SPID(s) and name(s) of the LSMS(s) that did not respond.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • subscriptionVersionStatus = 'active'
		  • subscriptionVersionFailedSP-List
		• If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range, to the New SP SOA
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		indicating the status is 'active' and includes a subscriptionVersionFailedSP-List.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'active' and a Failed SP List.
9.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version modified during this test case.	SP	1. On the SOA, the subscription version exists with a status of 'active' and a Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'active' and a Failed SP List.
11.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.14**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel modify the due date for a range of 10 conflict SVs. Their Customer TN Range Notification Indicator set to TRUE. All TNs in the range have the same feature data and contiguous SVIDs. The modify request is submitted as one range. The modify request results in one notification. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'conflict' and the SP under test is the New SP. All 10 TNs should have one set of DPC/SSN data and the SVIDs are consecutive. 4. 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:	Verify that 10 consecutive subscription versions exist with a status of 'conflict'. All 10 TNs should have one set of DPC/SSN data and consecutive SVIDs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to modify the due date for a range of 10 conflict Inter-Service Provider subscription versions. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp for the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.

2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to modify the subscriptionNew SP-DueDate and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR - ModifyReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or MODR - ModifyReply in XML) from the NPAC SMS.

4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionNewSP-DueDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each of the 10 TNs in the range containing the subscriptionNewSP-DueDate.
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		n in XML) to the New SP SOA for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionNewSP-DueDate		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'conflict' and the new due date for the New SP.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' and the new due date for the New SP.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' and the new due date for the New SP on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.15**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify one pending SV. Their Customer TN Range Notification Indicator set to their production value. - Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.2.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'pending' for the Old SP. 4. 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:	Verify that a subscription version exists with a status of 'pending'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the due date for a pending Inter-Service Provider subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TN. NOTE: if you modify the due date, specify a date that is greater than or equal to the NPA-NXX Live Timestamp.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		subscriptionVersionNPAC to itself to modify the subscriptionOld SP-DueDate and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.

4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-DueDate.
		• If the setting is FALSE, the NPAC SMS issues one M-EVENT REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN containing the subscriptionOldSP-DueDate and the SVID.
			SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-DueDate • If the setting is FALSE, the NPAC SMS issues one M-EVENT REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN containing the subscriptionOldSP-DueDate and the SVID.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the range of subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'pending' and the new due date for the New SP.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'pending' and the new due date for the New SP.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'pending' and the new due date for the New SP on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.16**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an immediate disconnect of a range of 500 active SVs. Their Customer TN Range Notification Indicator is set to their production value. In the pre-requisite SV create process the range was submitted as two smaller range creates, each with the same feature data and, the SVIDs are contiguous within each range create. The immediate disconnect request is submitted as one range and results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 500 subscription versions exist with a status of 'active' for the New SP under test. All 500 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 500 TNs. The first 250 TNs in the range should have consecutive SVIDs, then there should be a break in the SVIDs and the second 250 TNs should be consecutive.
Prerequisite SP Setup:	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPS/SSN data. 2. Create another range of 250 Inter-Service Provider subscription versions using the previous 250 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range. 3. Activate all 500 of these TNs. 4. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a range of 500 active subscription versions. Specify the range of 500 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ –	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA.

		DisconnectRequest in XML) to the NPAC SMS and specifies the range of TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDatenotification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) for the 500 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionCustomerDisconnectDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) for each TN in the range of 500 indicating the disconnect date.
			SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator and issues the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) back to the NPAC SMS.

6.	NPAC	NPAC SMS issues two M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. One M-DELETE Request is sent for the first 250 TNs, and another M-DELETE Request is sent for the next contiguous range of 250 since there is a break in the SVID sequence between the first and second sets of TNs.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

8.	NPAC	NPAC SMS issues one M-EVENT-REPORT to the New SP SOA based on their TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the 500 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range indicating the status is now 'old'.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

9.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).

10.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.17**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Donor Service Provider receives snapback notification upon immediate disconnect of a range of 5 active SVs when their Customer TN Range Notification Indicator is set to TRUE. The 'active' SVs exist with contiguous SVIDs and the same feature data. The immediate disconnect results in one notification to the Donor Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Donor Service Provider. 3. Verify that 5 'active' subscription versions exist for which the Service Provider under test is the Donor Service Provider. The SVIDs are consecutive for the 5 TNs and they have the same feature data.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel, on behalf of the New SP, submit a request to disconnect a range of 5 active subscription versions. Specify the range of 5 consecutive TNs described in the prerequisites above and the current date as the disconnect date.	NPAC	NPAC SMS receives the request on behalf of the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDat	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		e and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.		
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the range of 5 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
5.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-DELETE Requests in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the requests are valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to ‘old’ and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
7.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscription VersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		ation in XML) for the range of 5 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus ='old' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the subscription version status is 'old' for each TN in the range (5).		
8.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
9.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
10.	SP – Optional	Donor SP Personnel perform a local query for the notifications associated with the subscription versions disconnected during this test case.	SP	Donor SP SOA successfully received the notifications.

A. TEST IDENTITY

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

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'active' where the current SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 10 TNs.
Prerequisite SP Setup:	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 5 Inter-Service Provider subscription versions using the next 5 consecutive non-ported TNs with the same set of DPC/SSN data as the first 5 TN range. For example, create 1000-1004 with and then immediately create 1005-1009 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 10 TNs. 4. Activate the range of 10 subscription versions. 5. Verify that the SVs for the range of 10 TNs have a status of 'active'.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the Current SP SOA.

		subscriptionVersionDisconnect Request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' and the subscriptionCustomerDisconnectDate according to the disconnect request for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the range of 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionCustomerDisconnectDate
		  • subscriptionEffectiveReleaseDate
		• If the setting is FALSE, the NPAC SMS issues an M-
			SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) for each TN in the range of 10 indicating the TNs are being disconnected and providing the customer disconnect date.		
6.	NPAC	NPAC SMS issues an M-Delete scoped/filtered Requests in CMIP (or SVDD – SvDeleteDownload in XML) subscriptionVersion for the range of TNs being disconnected to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-ACTION Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-DELETE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current SP SOA for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'old'	SP	Current SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 10 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the 10 TNs.
10.	NPAC	NPAC Personnel perform a query for the range of subscription	NPAC	The subscription versions exist with a status of 'old'.

		versions activated in this test case.		
11.	SP – Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. 2. On the LSMS, the subscription versions do not exist.
12.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.19**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an immediate disconnect of a single active SV. Their Customer TN Range Notification Indicator is set to their production value. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that a subscription version exists with a status of 'active' for the New SP under test.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'active'

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to disconnect a single active subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS and specifies the TN and the current date.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending' for the TN.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR –	SP	New SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.

		DisconnectReply in XML) to the New SP SOA.		
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDatenotification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the single TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionCustomerDisconnectDate
		  • subscriptionEffectiveReleaseDate
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) for the TN indicating the disconnect date.
			SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.

7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the single TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the single TN that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID.
		  • SubscriptionVersionStatus = 'old'
		• If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the status is now 'old' for the TN.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the single TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the subscription version disconnected in this test case.	NPAC	The subscription version exists with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version disconnected during this test case.	SP	1. On the SOA, the subscription version is not found or it exists with a status of 'old'. 2. On the LSMS, the subscription version no longer exists.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version disconnected	SP	The subscription version exists with a status of 'old' on the NPAC SMS.

		during this test case.		
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TN that was disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.20**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Code holder of the NPA-NXX of the TNs used in the subscription versions. Both Service Providers have their Customer TN Range Notification Indicators set to TRUE. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to TRUE for both SPID A and SPID B. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 5. Verify that SPID B is the code holder of the NPA-NXX of the TNs used in this test case. 6. Verify that a range of 5 active Inter-Service Provider subscription versions exist, the New SP is SPID A, the Old SP and code holder is SPID B and the original creates were submitted as individual create requests with the same DPC/SSN data but with activity between such that the SVIDs are not consecutive.
Prerequisite SP Setup:	1. Create 5 individual Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID B as the Old SP. Between each create request, perform some other subscription version functions for SPID A for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDS. 2. Activate all 5 TNs. 3. Verify that the SVIDs are NOT consecutive for the 5 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 5 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the 'Primary' SPID (SPID	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA.

		A) association. 2. SPID A issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID A).	SP	New SP SOA (SPID A) receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID B) for the range of 5 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	The Donor SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system

				as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID A) for the range of 5 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'old'	SP	New SP SOA (SPID A) receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	New SP SOA (SPID A) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.21**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of 2 Inter-Service Provider subscription versions. Secondary SPID B is the New Service Provider. Primary SPID A is the Old Service Provider and Code holder of the NPA-NXX of the TNs used in the subscription versions. SPID B Service Provider and SPID A Service Provider have their Customer TN Range Notification Indicator set to their production values. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to the production value for SPID B. 4. Verify that the Customer TN Range Notification Indicator is set to the production value for SPID A. 5. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 6. Verify that SPID A is the code holder of the NPA-NXX of the TNs used in this test case. 7. Verify that a range of 2 active Inter-Service Provider subscription versions exist, the New SP is SPID B, the Old SP and code holder is SPID A and the original create request was submitted as a range with the same DPC/SSN and they have consecutive SVIDs.
Prerequisite SP Setup:	1. Create a range of 2 Inter-Service Provider subscription versions for the New SP (SPID B) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID A as the Old SP. 2. Activate the 2 TNs. 3. Verify that the SVIDs are consecutive for the 2 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID B Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 2 SVs referenced in the prerequisites above and submits the request to the NPAC SMS via the 'Primary' SPID (SPID	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA (SPID B).

		A) association. 2. SPID B issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID B).	SP	New SP SOA (SPID B) receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Donor Service Provider based on their Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues a subscription VersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID A) for each of the TNs in the range that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleas	SP	The Donor SP SOA (SPID A) receives the M-EVENT-REPORT(s) in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS and issues an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		eDate • If the setting is FALSE, NPAC SMS issues a subscription VersionDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID A) for each of the TNs in the range indicating the disconnect date.		
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.
7.	SP	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

8.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID B) for the range of 2 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, NPAC
			SP	New SP SOA (SPID B) receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range indicating the status is 'old'.		
9.	SP	New SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID B) perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions are not found or they exist with a status of 'old'. 2. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditional	New SP Personnel (SPID B) perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.22**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel perform an immediate disconnect of a range of Inter-Service Provider subscription versions. Primary SPID A is the New Service Provider. Secondary SPID B is the Old Service Provider and Code holder of the NPA-NXX of the TNs used in the subscription versions. SPID A Service Provider has their Customer TN Range Notification Indicator set to TRUE. SPID B Service Provider has their Customer TN Range Notification Indicator set to FALSE. NPAC SMS manages the notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-116, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID A is a primary SPID. 2. Verify that SPID B is a secondary SPID to SPID A. 3. Verify that the Customer TN Range Notification Indicator is set to TRUE for SPID A. 4. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID B. 5. Verify that the SOA Notification Priority tunable parameters are set to the default values for both Service Providers. 6. Verify that SPID B is the code holder of the NPA-NXX of the TNs used in this test case. 7. Verify that a range of 6 active Inter-Service Provider subscription versions exist, the New SP is SPID A, the Old SP and code holder is SPID B and the original create request was submitted as two ranges of 3 TNs, each with different sets of DPC/SSN data but they have consecutive SVIDs.
Prerequisite SP Setup:	1. Create a range of 3 Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, with one set of DPS/SSN data and SPID B as the Old SP. 2. Immediately create another range of 3 Inter-Service Provider subscription versions for the New SP (SPID A) using consecutive non-ported TNs, a different set of DPS/SSN data than was used in the first create, and SPID B as the Old SP. 3. Verify that the SVIDs are consecutive for the 6 TNs. 4. Activate all 6 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using a SOA system, SPID A Service Provider Personnel, take action, as the New SP, to perform an immediate disconnect on the range of 2 SVs referenced in the prerequisites above and submits	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA (SPID A).

		the request to the NPAC SMS via the 'Primary' SPID (SPID A) association. 2. SPID A issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID A).	SP	New SP SOA (SPID A) receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionCustomerDisconnectDate and subscriptionBroadcastTimeStamp to the current date and time for the TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT REPORT subscription VersionDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP (SPID B) for each of the 6 TNs in the range indicating the disconnect date.	SP	The Donor SP SOA (SPID B) receives an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS for each of the TNs in the range (6) and issues an M-EVENT-REPORT confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Requests in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.

7.	SP	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for the range of 6 TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues two M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID A), one for each set of 3 TNs in the range of 6, that contain the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'old'	SP	New SP SOA (SPID A) receives two M-EVENT-REPORT notifications in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS. One for each set of 3 TNs.
9.	SP	New SP SOA (SPID A) issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription version disconnected during this test case.	SP	1. On the SOA, the subscription version is not found or it exists with a status of 'old'. 2. On the LSMS, the subscription version no longer exists.
12.	SP – Conditional	New SP Personnel (SPID A) perform an NPAC SMS query for the subscription version disconnected during this test case.	SP	The subscription version exists with a status of 'old' on the NPAC SMS.
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were disconnected during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.23**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 1000 'active' subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The deferred disconnect request is submitted as one range. The disconnect-pending request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.4.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that subscription versions exist for the 1000 TNs with a status of 'active' where the current SP is the SP under test. All 1000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 1000 TNs.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the TN range being used in this test case to cause a break in SVIDs. 3. Create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range. For example, create 1500-1999 with one set of DPC/SSN data. 4. Activate all 1000 of these TNs. 5. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC SMS for a deferred disconnect a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above and use an	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the Current SP SOA.

		effective date of tomorrow. 2. The SOA issues an M-ACTION subscriptionVersionDisconnect Request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS with the subscriptionEffectiveReleaseDate set to tomorrow and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'disconnect-pending', the subscriptionEffectiveReleaseDate to the date received, and set the subscriptionModifiedTimeStamp to the current date and time for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response in CMIP (or DISR – DisconnectReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current SP SOA for the range of 1000 TNs range that contains the following attributes: • .paired list of TNs and SVIDs • subscriptionVersionStatus = 'disconnect-pending'	SP	Current SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML).
6.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'disconnect-pending'.
7.	SP – Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	1. On the SOA, the subscription versions either do not exist or they exist with a status of 'disconnect-pending'. 2. On the LSMS, the subscription versions exist with a status of 'active'.
8.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'disconnect-pending' on the NPAC SMS.

9.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs of the Subscription Versions that were specified for a deferred disconnect during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.24**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel cancel a range of 50 Inter-Service Provider subscription versions after both Service Providers have initially concurred. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is submitted as one range. The cancel request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.1, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicators is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 50 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 50 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 50 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 50 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 25 Inter-Service Provider subscription versions using the next 25 consecutive non-ported TNs with the same set of DPC/SSN data as the first 25 TN range. For example, create 1000-1024 and then immediately create 1025-1049, all with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 50 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to cancel a range of 50 Inter-Service Provider subscription versions for which the New SP has already concurred. Specify the range of	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or CANQ – CancelRequest in XML) from the Old SP SOA.

		50 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionCancel Request in CMIP (or CANQ – CancelRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancel-pending' and sets the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or CANR – CancelReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or CANR – CancelReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the range of 50 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'cancel-pending'	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		ation in XML) for the range of 50 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus ='cancel-pending' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 50 TNs indicating their subscription version status is now 'cancel-pending'.		
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancel-pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.
11.	SP	1. Using the SOA, New Service Provider Personnel issue a subscription version Cancellation Acknowledgement Request to the NPAC SMS. 2. The SOA issues an M-ACTION subscriptionVersionNewSP-CancellationAcknowledge in CMIP (or CANQ – CancelRequest in XML) the by specifying the range of TNs.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-CancellationAcknowledge in CMIP (or Cancel Request in XML) from the New SP SOA.
12.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancelled' and set the	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		subscriptionCancellationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.		
13.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or CANR – CancelReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or CANR – CancelReply in XML) from the NPAC SMS.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the range of 50 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'canceled'	SP	The Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
15.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the set of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT notification in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

16.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 50 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'canceled'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib
			SP	New SP SOA receives the M-EVENT notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 50 TNs indicating their subscription version status is now 'cancelled'.		
17.	SP	New SP SOA issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
18.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.25**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider is the Service Provider under test. NPAC Personnel, on behalf of the Old Service Provider Personnel cancel a range of 10 Inter-Service Provider subscription versions after both Service Providers have initially concurred. The New Service Provider's Customer TN Range Notification Indicator is set to TRUE. The TNs used in the range are contiguous and have the same feature data. The cancel request is submitted as one range and results in one notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.1, B.5.3.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicators is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 10 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 50 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 50 TNs to be used in this Test Case. 5. Verify that the Old SP has concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel, on behalf of the Old SP, submit a request to the NPAC SMS to cancel a range of 10 Inter-Service Provider subscription versions for which the New SP has already concurred. Specify the range of 10 consecutive TNs described in the prerequisites above.	NPAC	NPAC SMS receives the Cancellation Request from the NPAC OpGUI.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		to 'cancel-pending' and sets the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.		

3.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'cancel-pending'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the subscription version status is 'cancel-pending' for each TN in the range (10).
			SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

4.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus =	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		'cancel-pending'		
6.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 10 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
7.	NPAC	NPAC SMS waits for concurrence from the New SP SOA for the range of TNs.	NPAC	New SP SOA **does not** respond to the cancel request and the Cancellation – Initial Concurrence Window tunable expires.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeCancellationAcknowledgeRequest notification in CMIP (or VCAN – SvCancelAckNotification in XML) to the New SP SOA that contains the following attributes: that contains the following attributes: • start TN • end TN • start SVID • end SVID	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VCAN – SvCancelAckNotification in XML) from the NPAC SMS.
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
10.	SP	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancel-pending'.
11.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.26**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.3.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that 5000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 5000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 5000 TNs. The first 2500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 2500 TNs. 4. Verify that 'active' subscription versions do not currently exist for the range of 5000 TNs to be used in this Test Case. 5. Verify that the Old SP has not concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	1. Create one range of 2500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 2500 Inter-Service Provider subscription versions using the next 2500 consecutive non-ported TNs using the same set of DPC/SSN data as the first 2500 TNs. For example, create 1000-2499, then perform other subscription version activities to TNs outside of the consecutive 5000 TNs used in this test case, then create 2500-4999 with the same set of DPC/SSN data as was used for TNs 1000-2499. 4. Verify that the SVIDs are NOT consecutive for the full 5000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to cancel a range of	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or CANQ – CancelRequest in XML) from the New SP SOA.

		5000 Inter-Service Provider subscription versions for which the Old SP has not yet concurred. Specify the range of 5000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionCancel Request in CMIP (or CANQ – CancelRequest in XML) to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'cancelled' and the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or CANR – CancelReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or CANR – CancelReply in XML) from the NPAC SMS.

4.	NPAC	NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) is sent for the range of 5000 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'cancelled'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 5000 indicating the
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		status is 'cancelled'.		
5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the set of 5000 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for the range of 5000 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'cancelled'	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	The subscription version exists with a status of 'cancelled'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.27**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel cancel a single SV. Their Customer TN Range Notification Indicator is set to their production value. In the pre-requisite create process only the Old SP has submitted a create request. Even though this is a single SV, the cancel request results in a range notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.3.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to their production value for the Old Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that a subscription version exists with a status of 'pending' for the Old SP under test. 4. Verify that the New SP has not submitted a create request for the subscription version to be canceled during this test case.
Prerequisite SP Setup:	1. Verify that a subscription version exists with a status of 'pending'. 2. Verify that the New SP has not submitted a create request for the subscription version to be canceled during this test case.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a cancel request to the NPAC for the TN described in the prerequisites above. 2. The SOA sends an M-ACTION subscriptionVersionCancel in CMIP (or CANQ – CancelRequest in XML) to the NPAC SMS for the TN they wish to cancel.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionCancel request in CMIP (or CANQ – CancelRequest in XML) from the Old SP SOA and verifies that the request is valid according to system requirements.
2.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself to update the subscriptionVersionStatus to canceled for the TN.	NPAC	NPAC SMS receives the M-SET Request subscriptionVersionNPAC for the TN and issues an M-SET Response subscriptionVersionNPAC to itself.

3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionCancel Response in CMIP (or CANR – CancelReply in XML) to the Old SP SOA indicating the subscription version was successfully canceled.	SP	Old SP SOA receives the M-ACTION subscriptionVersionCancel Response in CMIP (or CANR – CancelReply in XML) from the NPAC SMS indicating the subscription version was successfully canceled.

4.	NPAC	NPAC SMS issues one M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatusValueAttributeChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the single TN to the Old SP SOA that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'cancelled'
		• If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the TN indicating the status is 'cancelled'.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		ation in XML) that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'cancelled' • If the setting is FALSE the NPAC SMS issues a M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with subscriptionVersionStatus = canceled for the single TN.		
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version canceled in this test case.	NPAC	The subscription version exists with a status of 'canceled'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version canceled during this test case.	SP	The subscription version does not exist or exists with a status of 'canceled'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version canceled during this test case.	SP	The subscription version exists with a status of 'canceled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.28**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of 100 'pending', Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to their production value. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. Ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range and results in one notification with contiguous TNs and SVIDs – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.5.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that 100 consecutive subscription versions exist with a status of 'pending' and a future due date where the Old SP is the SP under test. All 100 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 100 TNs. Verify that all TNs and SVIDs are contiguous. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	1. Create one range of 50 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Immediately create another range of 50 Inter-Service Provider subscription versions using the next 50 consecutive non-ported TNs with the same set of DPC/SSN data as the first 50 TN range. For example, create 1000-1049 and then immediately create 1050-1099 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 100 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to modify the authorization flag from TRUE to FALSE for a range of 100 Inter-Service Provider subscription versions. Specify the range of 100 consecutive	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA.

		TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION subscriptionVersionModifyRequest in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Old SP SOA based on their TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 8 below) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCauseCode • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 8 below) with a	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.

		subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (100).		
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the Old SP SOA.

6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'conflict'
		  • subscriptionStatusChangeCauseCode
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (100).
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT to the Old SP SOA based on their TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the range of 100 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-authorization = 'false' • subscriptionVersionStatus = 'conflict' (XML only) • subscriptionStatusChangeCauseCode (XML only) • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with subscriptionOldSP-Authorization = false for each TN in the range.		
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 100 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-authorization = 'false'	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• subscriptionVersionStatus = 'conflict' (XML only) • subscriptionStatusChangeCauseCode (XML only) • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with subscriptionOldSP-Authorization = false for each TN in the range.		
11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.29**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.5.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that 1000 consecutive subscription versions exist with a status of 'pending' and a future due date where the Old SP is the SP under test. All 1000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 1000 TNs. The first 500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 500 TNs. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	1. Create one range of 500 Inter-Service Provider subscription versions with a future due date using consecutive non-ported TNs, with one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 500 Inter-Service Provider subscription versions with a future due date using the next 500 consecutive non-ported TNs and the same set of DPC/SSN data as the first 500 TNs. For example, create 1000-1499, then perform other subscription version activities to TNs outside of the consecutive 1000 TNs used in this test case, then create 1500-1999 with the same set of DPC/SSN data as was used for TNs 1000-1499. 4. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to modify the authorization flag from TRUE	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA.

		to FALSE for a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION subscriptionVersionModifyRequest in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 8 below) to the Old SP SOA that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCauseCode	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (not available over the XML interface) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		notification in CMIP (not available over the XML interface but included in step 10 below) that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCauseCode • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for each TN in the range (1000).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the range of 1000 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionOldSP-authorization = 'false' • subscriptionVersionStatus = 'conflict' (XML only) • subscriptionStatusChangeCauseCode (XML only)	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 1000 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionOldSP-authorization = 'false' • subscriptionVersionStatus = 'conflict' (XML only) • subscriptionStatusChangeCauseCode (XML only) • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 1000.		
11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.30**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a single 'pending' Inter-Service Provider subscription version to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to their production value. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.5.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that a subscription version exists with a status of 'pending' and a future due date where the Old SP is the SP under test. 4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	Verify that a subscription version exists with a status of 'pending' and a future due date.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from TRUE to FALSE for a single Inter-Service Provider subscription version. Specify the TN described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS for the TN to set the subscriptionOldSP-Authorization to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA and determines that it is valid.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		subscriptionVersionNPAC to itself to set the subscriptionOldSP-Authorization attribute to FALSE and set the subscriptionModifiedTimeStamp to the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR - ModifyReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or MODR - ModifyReply in XML) from the NPAC SMS.

4.	NPAC	NPAC SMS issues an M-EVENT REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If their TN Range Notification Indicator is set to TRUE, NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface) to the Old SP SOA that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'conflict'
		  • subscriptionStatusChangeCauseCode
		• If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface) indicating the status is now 'conflict' and a subscriptionStatusChangeCauseCode for the TN to the Old SP SOA.
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.

5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.

		EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeCauseCode • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface) with a subscription version status of 'conflict' and a subscriptionStatusCauseCode for the TN.		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP SOA.
8.	NPAC	NNPAC SMS issues an M-EVENT REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If their TN Range Notification Indicator is set to TRUE, NPAC SMS issues a subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • subscriptionOldSP-authorization = 'false' • subscriptionVersionStatus = 'conflict' (XML Only) • subscriptionStatusChangeCauseCode (XML Only)	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with a subscription versionOldSP-authorization='false'		
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP-authorization = 'false'
		  • subscriptionVersionStatus = 'conflict' (XML Only)
		  • subscriptionStatusChangeCauseCode (XML Only)
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with a subscription versionOldSP-authorization='false'
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

12.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version modified during this test case.	SP	The subscription version exists with status of 'conflict'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version modified during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.31**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel take action on a range of 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81, RR5-42.5
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.5.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that the Old Service Provider is using LONG Port-Out Timers. 4. Verify that 200 consecutive subscription versions exist with a status of 'conflict' where the Old SP is the SP under test. All 200 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 200 TNs. 5. Verify that the New SP has concurred to the subscription versions to be modified during this test case 6. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data, a future due date, and the authorization flag set to FALSE. 2. Immediately create another range of 100 Inter-Service Provider subscription versions using the next 100 consecutive non-ported TNs with the same set of DPC/SSN data as the first 100 TN range, a future due date, and the authorization flag set to FALSE. For example, create 1000-1099 with and then immediately create 1100-1199 with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 200 TNs 4. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to 'remove from conflict' a range of 200 Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionOldSP-RemoveFromConflict Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) to the NPAC SMS for the range of 200 TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) from the Old SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'pending', the subscriptionOldSP-Authorization to TRUE and the subscriptionModifiedTimeStamp and subscriptionOldSP-ConflictResolutionTimeStampto the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 8 below) to the Old SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionStatus = 'pending'	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the Old SP SOA.

		interface)to the NPAC SMS for the range of 200 TNs.		

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator,
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) for the range of 200 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus=pending'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) for each TN in the range with the subscriptionVersionStatus set to 'pending'.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS according to their Customer TN Range Notification Indicator,

7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML)to the Old SP SOA for the range of 200 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		Authorization = 'true' • subscriptionVersionStatus = 'pending' (XML Only)		
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the range of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) of the range of 200 TNs that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP Authorization = 'true'
		  • subscriptionVersionStatus = 'pending' (XML Only)
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range with the subscriptionOldSP-Authorization set to TRUE.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'pending'.

14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.32**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel take action on a range of 10 'conflict' subscription versions that he created, to remove them from conflict. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR5-115, RR6-81, RR5-42.5
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.5.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 3. Verify that the Old Service Provider is using LONG Port-Out Timers. 4. Verify that 10 consecutive subscription versions exist with a status of 'conflict' where the Old SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 10 TNs. The first 5 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 5 TNs. 5. Verify that the New SP has concurred to the subscription versions to be modified during this test case. 6. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.
Prerequisite SP Setup:	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set of DPC/SSN data, a future due date, and the authorization flag set to FALSE. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 5 Inter-Service Provider subscription versions using the next 5 consecutive non-ported TNs using the same set of DPC/SSN data as the first 5 TNs, a future due date, and the authorization flag set to FALSE. For example, create 1000-1004, then perform other subscription version activities to TNs outside of the consecutive 10 TNs used in this test case, then create 1005-1009 with the same set of DPC/SSN data as was used for TNs 1000-1004. 4. Verify that the SVIDs are NOT consecutive for the full 10 TNs. 5. Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC SMS to 'remove from conflict' a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionOldSP-RemoveFromConflict Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) to the NPAC SMS for the range of TNs.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) from the Old SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'pending' and the subscriptionOldSP-Authorization to TRUE and the subscriptionModifiedTimeStamp and subscriptionOldSP-ConflictResolutionTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or RFCR – RemoveFromConflictReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 8 below)to the Old SP SOA for the range of 10 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'pending'	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS containing a list of the SVIDs.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface).

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) for the range of 10 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionVersionStatus = 'pending'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (not available over the XML interface but included in step 10 below) for each TN in the range of 10 with the subscriptionVersionStatus set to 'pending'.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS according to their Customer TN Range Notification Indicator.

7.	SP	New SP SOA issues M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Old SP SOA for the range of 10 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionOldSP-Authorization set to TRUE. • subscriptionVersionStatus='pending' (XML Only)	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).

10.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs that contains the following attributes:
		  • paired list of TNs and SVIDs
		  • subscriptionOldSP-Authorization = 'true'
		  • subscriptionVersionStatus= 'pending' (XML Only)
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range of 10 with the subscriptionOldSP-Authorization set to TRUE.
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

11.	SP	New SP SOA issues M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
12.	NPAC	NPAC Personnel perform a query for the range of subscription versions modified in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
13.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	The subscription versions exist with status of 'pending'.
14.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.33**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel do a Port-To-Original for a range of 10 ported TNs. Their Customer TN Range Notification Indicator is set to their production value. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.12, B.5.1.12.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to the production value for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that active subscription versions exist for the range of 10 TNs to be used for the Port to Original request (SV1). The new Current SP on these subscription versions is an SP other than the SP under test in this test case. 4. Verify that pending subscription versions exist for this same range of 10 TNs with the SP under test listed as the New SP and the Port-to-Original flag is set to TRUE (SV2). The range of 10 TNs have the same set of DPC/SSN data and the SVIDs are consecutive.
Prerequisite SP Setup:	Verify that pending subscription versions exist for the range of 10 TNs to be activated and that the Port-to-Original flag is set to TRUE. The range of TNs have the same set of DPC/SSN data and the SVIDs are consecutive.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an M-ACTION subscriptionVersionActivate request to the NPAC for the range of 10 TNs described in the prerequisites above (SV2). 2. The SOA sends an M-ACTION subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the range of TNs (SV2).	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionActivate request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV2) to set the subscriptionVersionStatus to	NPAC	NPAC SMS issues an M-SET Response to itself.

		sending and set the subscriptionActivationTimeStamp to the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionActivate Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION subscriptionVersionActivate Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to sending and set the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-DELETE Request subscriptionVersion SV1 in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX of subscription Versions SV1.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Requests and verify that the requests are valid. 2. All LSMSs in the region issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes for the range of TNs (SV1) on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to old and set the subscriptionDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.

7	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs (SV1) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus
			SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		= 'old' • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for each TN in the range (SV1) with the subscription Version Status of old.		
8.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
9.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV2) to set the subscriptionVersionStatus to old and set the subscriptionDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.

10	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs (SV2) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or
			SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		VATN – SvAttributeValueChangeNotification in XML) for each TN in the range (SV1) with the subscription Version Status of old.		
11.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.

12	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA.
		• If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs (SV2) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionVersionStatus = 'old'
		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA for each TN in the range (SV1) with the subscription Version Status of old.
		•
			SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs (SV2) with the subscriptionVersionStatus of old from the NPAC SMS.

13	SP	New SP SOA issues M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
14.	NPAC	NPAC Personnel perform a query for the range of subscription versions (SV1) used in this test case.	NPAC	The subscription versions (SV1) exist with a status of 'old'.

15	SP – Optional	Via their SOA, New SP Personnel perform a local for the range of subscription versions (SV1) used in this test case.	SP	The subscription versions (SV1) exist do not exist.
16.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions (SV1) used in this test case.	SP	The subscription versions (SV1) exist with a status of 'old' on the NPAC SMS.
17	NPAC	NPAC Personnel perform a query for the range of subscription versions (SV2) used in this test case.	NPAC	The subscription versions (SV2) exist with a status of 'old'.
18	SP – Optional	Via their SOA, New SP Personnel perform a local for the range of subscription versions (SV2) used in this test case.	SP	The subscription versions (SV2) exists do not exist or they exist with a status of 'old'.
19.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions (SV2) used in this test case.	SP	The subscription versions (SV2) exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**2.34**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC – NPAC Personnel delete a Number Pool Block. The Donor Service Provider Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-85
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.4.4.23, B.4.4.24, B.4.4.25

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the block Holder Service Provider. 3. Verify that an active, non-contaminated, Number Pool Block exists for the Block Holder Service Provider and it has an empty FailedSP-List. 4. Verify that no subscription versions have been ported away from the Number Pool Block.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	1. Using the NPAC OpGUI, NPAC Personnel take action to delete an active Number Pool Block. 2. NPAC SMS issues an M-SET numberPoolBlockNPAC Request to itself to update the numberPoolBlockStatus to 'sending' and set the numberPoolBlockBroadcastTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request from itself and issues an M-SET Response.
2.	NPAC	NPAC SMS issues a corresponding M-SET subscriptionVersionNPAC Request to itself to set the subscriptionVersionStatus to 'sending' and set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request from itself and issues an M-SET Response.

3.	NPAC	NPAC SMS issues an M-DELETE numberPoolBlock in CMIP (or PBDD – NpbDeleteDownload in XML) to all LSMSs in the region that are accepting download for this NPA-NXX.		All LSMSs in the region accepting downloads for this NPA-NXX successfully receive the Request and successfully respond in CMIP (or DNLR – DownloadReply in XML) to the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET subscriptionVersionNPAC to itself to set the subscriptionVersionStatus to 'old' and set the subscriptionModifiedTimeStamp and the subscriptionDisconnetCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request to itself and responds with an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-SET numberPoolBlockNPAC to itself to set the numberPoolBlockStatus to 'old' and set the numberPoolBlockModifiedTimeStamp and the numberPoolBlockDisconnectCompleteTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request to itself and responds with an M-SET Response to itself.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) to the Donor SP SOA for the 1000 TNs that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionVersionCustomerDisconnectDate • subscriptionEffectiveReleaseDate	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS.
7.	SP	Donor SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Donor SP SOA.
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange in CMIP (or PATN – NpbAttributeValueChangeNotification in XML) to the SP SOA for the number pool block indicating its status is now 'old'.	SP	SP SOA receives the M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange in CMIP (or PATN – NpbAttributeValueChangeNotification in XML) from the NPAC SMS.

9.	SP	SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the number pool block.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the number pool block.
10.	NPAC	NPAC SMS sends an M-DELETE Request serviceProvNPA-NXX-X to itself to delete the NPA-NXX-X from its database.	NPAC	NPAC SMS issues an M-DELETE Response to itself.
11.	NPAC	NPAC SMS issues an M-DELETE serviceProvNPA-NXX-X in CMIP (or DXDD – NpaNxxDxDeleteDownload in XML) to all SOAs that support this object according to their NPAC Customer SOA NPA-NXX-X Indicator in their Service Provider Profile on the NPAC SMS and are accepting downloads for this NPA-NXX.	SP	All SOAs that are accepting downloads for this NPA-NXX and who support the NPA-NXX-X object receive the M-DELETE Request in CMIP (or DXDD – NpaNxxDxDeleteDownload in XML).
12.	NPAC	NPAC SMS issues an M-DELETE serviceProvNPA-NXX-X in CMIP (or DXDD – NpaNxxDxDeleteDownload in XML) to all LSMSs that support this object according to their NPAC Customer LSMS NPA-NXX-X Indicator in their Service Provider Profile on the NPAC SMS and are accepting downloads for this NPA-NXX.	SP	All LSMSs that are accepting downloads for this NPA-NXX and who support the NPA-NXX-X object receive the M-DELETE Request in CMIP (or DXDD – NpaNxxDxDeleteDownload in XML).
13.	SP	All SOAs that received the M-DELETE Request from the NPAC SMS issues an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.	NPAC	NPAC SMS receives the M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) from the SP SOAs.
14.	SP	All LSMSs that received the M-DELETE Request from the NPAC SMS issues an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.	NPAC	NPAC SMS receives the M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) from the SP LSMSs.
15.	NPAC	NPAC Personnel perform a query for the NPA-NXX-X, number pool block and associated subscription versions deleted in this test case.	NPAC	The NPA-NXX-X, number pool block and associated subscription versions exist with a status of ‘old’.
16.	SP – Optional	Via their SOA &/or LSMS, SP Personnel perform a local query for the NPA-NXX-X, number pool block and associated subscription versions deleted during this test case.	SP	The NPA-NXX-X, number pool block and associated subscription versions do not exist or they exist with a status of ‘old’.

17.	SP – Conditional	SP Personnel perform an NPAC SMS query for the NPA-NXX-X, number pool block and associated subscription versions deleted during this test case.	SP	The NPA-NXX-X, number pool block and associated subscription versions exist with a status of 'old' on the NPAC SMS.
18.	NPAC	NPAC Personnel perform a full audit of LSMS for the Number Pool Block and respective POOLed SVs that were depooled during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.35**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an Intra-Service Provider port of a range of 10 TNs that is part of an active Number Pool Block. Their Customer TN Range Notification Indicator is set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-113, RR5-114, RR6-81
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.11

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New Service Provider. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. 3. Verify that an 'active' Number Pool Block with an empty FailedSP-List exists for the Service Provider under test. 4. 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. NOTE: The MTI is ignored when submitted with Intra-SP SV create.
Prerequisite SP Setup:	Verify that an 'active' number pool block with an empty FailedSP-List exists.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an M-CREATE subscriptionVersionNewSP-Create request to the NPAC for an Intra-Service Provider port of a range of 10 TNs (SV2) that are part of the number pool block described in the prerequisites above. 2. The SOA sends an M-CREATE subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS for the range of TNs (SV2).	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA.

2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TNs (SV2) to create the subscription versions, set the subscriptionVersionStatus to 'pending', and set the subscriptionCreationTimeStamp, subscriptionNewSPAuthorizationTimeStamp, subscriptionOldSPAuthorizationTimeStamp, and subscriptionModifedTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-CREATE Response to itself.
3.	NPAC	NPAC SMS issues an M-CREATE subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-CREATE subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionId • subscriptionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.

7.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the range of subscription versions created in this test case.	SP	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.
8.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the range of subscription versions created in this test case.	SP	The subscription versions exist with a status of 'pending' and an LNP type of 'LISP'.

A. TEST IDENTITY

Test Case Number:	**2.36**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel do a mass update on 5000 active SVs where more than 1000 of the SVs are contiguous and have the same feature data. The Maximum Number of Download Records tunable is set to 1000. The Service Provider has their Customer TN Range Notification Indicator set to TRUE. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-80
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.8.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Current SP Customer TN Range Notification Indicator is set according to their production value. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Current Service Provider. 3. Verify that 5000 subscription versions exist with a status of 'active' and the same LRN for the current service provider under test. The 5000 TNs should span across two NPA-NXXs. 4. Set the Maximum Number of Download Records tunable to 1000. 5. Set filters for the NPA-NXXs to ensure a successful mass update. 6. Verify that the LRN to be used as the search criteria for this test is unique to the subscription versions described in the previous prerequisite NPAC setup steps.
Prerequisite SP Setup:	1. Create and activate a range of 2500 subscription versions within one NPA-NXX. 2. Create and activate a range of 2500 subscription versions within another NPA-NXX using the same LRN as in the previous create. 3. Verify that both ranges of 2500 TNs have the same LRN. 4. Verify that the LRN is not valid for any other active subscription versions.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OP GUI, NPAC Personnel submit a Mass Update request to modify the LRN for 5000 subscription versions on behalf of the Service Provider under test. To update the range of 5000 TNs described in the prerequisites above LRN will be used as the mass update filter criteria.	NPAC	NPAC SMS receives the Mass Update request and searches the subscription version database for subscription versions that match the input mass update criteria.
2.	NPAC	1. NPAC SMS issues three M-SET Requests in CMIP (or SVMD – SvModifyDownload in XML) to each LSMS in the	LSMS	1. All LSMSs in the region accepting downloads for the first NPA-NXX receive the three M-SET Requests in CMIP (or SVMD – SvModifyDownload in XML) from the NPAC SMS with the new subscription version attribute values.

		region that is accepting downloads for the first NPA-NXX to update the subscription version attributes with the new values for first range of 2500 TNs in the request. Two requests contain 1000 TNs each and one contains 500 TNs. 2. NPAC SMS issues three M-SET Requests in CMIP (or SVMD – SvModifyDownload in XML) to each LSMS in the region that is accepting downloads for the second NPA-NXX, to update the subscription version attributes with the new values for the second range of 2500 TNs in the request. Two requests contain 1000 TNs each and one contains 500 TNs.		2. All LSMSs in the region accepting downloads for the second NPA-NXX receive the three M-SET Requests in CMIP (or SVMD – SvModifyDownload in XML) from the NPAC SMS with the new subscription version attribute values. 3. All LSMSs that received the M-SET Requests from the NPAC SMS issue M-SET Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. 4. After the LSMSs issue the M-SET Responses back the NPAC SMS, they locally update the subscription version attributes per the Mass Update requests.
3.	NPAC	NPAC SMS issues three M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider (Service Provider under test) for the first range of 2500 TNs in the request. Two notifications contain 1000 TNs each and one contains 500 TNs. NPAC SMS issues three more M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the Current Service Provider (Service Provider under test) for the second range of 2500 TNs in the request. Two notifications contain 1000 TNs each and one contains 500 TNs. Each notification contains the following attributes: • start TN • end TN • start SVID • end SVID. • subscriptionVersionStatus = 'active'	SP	Current SP SOA receives the six M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and issues a confirmation in CMIP (or NOTR – NotificationReply in XML).

4.	NPAC	NPAC Personnel perform a query for the subscription versions that were updated during this test case.	NPAC	The subscription version attributes were appropriately updated and the status of all the subscription versions is 'active'.
5.	SP - Optional	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	1. On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.
6.	SP - Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions that were updated during this test case.	SP	The subscription versions exist with a status of 'active' and the new LRN on the NPAC SMS.
7.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were updated during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

A. TEST IDENTITY

Test Case Number:	**2.37**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA –Service Provider recovers a mixture of SV notifications for ranges of TNs. Their Customer TN Range Notification Indicator set to TRUE. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-238, RR3-239, RR6-79, RR6-80,, RR6-29
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameter is set to default values for the SP under test. 3. Verify that, if supported, the SOA Origination Indicator is set to TRUE. 4. Verify that the SOA Supports NPA-NXX-X is set to TRUE. 5. Filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful. 6. While the SP SOA under test is off-line perform the following activities on behalf of the SP under test: a) Where the SP under test is the New SP, create a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, the Old SP will not respond to this create request. Concurrence Window timers (T1 & T2) expire. For example, create 1000-1049. b) Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step ‘a’ above. For example, modify 1000-1019. c) Cancel the last 5 TNs of the subscription versions created in step ‘a’ above. For example, cancel 1045-1049. d) Activate the first 45 TNs of the subscription versions created in step ‘a’ above. For example, activate 1000-1044. e) Where the SP under test is the Old SP, create a range of 10 consecutive, non-ported TNs where the Authorization flag is set to TRUE. For example create 2000-2009. f) Let the Initial and Final Concurrence Timers expire for the subscription versions in step ‘e’. For example, let the timers expire for 2000-2009. g) Disconnect the 10 subscription versions where the SP under test is the Donor SP. For example, disconnect 3000-3009. h) Where the SP under test is the New SP, create a range of 1000 consecutive, non-ported TNs with one set of DPC/SSN data, and have the Old SP issue a concurrence to the New SP Create. For example, create 4000-4999.

	i) Cancel the subscription versions in step 'h' above – acting on behalf of the Old SP. The New SP (which is the SP under test) should not acknowledge this cancel request. Subscription versions status is set to 'cancel-pending'. Concurrence Window timers (T1 & T2) expire. Subscription versions status is updated to 'conflict'. For example, acting as the Old SP, NPAC personnel cancel 4000-4999. The SP under test is the New SP – do not send a cancel request for the same TNs. Subscription versions status is set to 'cancel-pending'. Timers (T1 & T2) expire. Subscription versions status is updated to 'conflict'. j) Where SP under test is the New SP, create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. k) Where SP under test is the New SP, create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using the same set of DPC/SSN data. Make sure that the SVIDs are not contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. l) Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049. m) Where the SP under test is the New SP, Create a Number Pool Block. For example, create a Number Pool Block for 9000-9999. n) Where the SP under test is the current SP, de-pool a Number Pool Block. For example, de-pool 9000-9999. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	1. Create a range of 10,000 subscription versions. 2. Have the old service provider concur to the create request or let the Concurrence Window timers expire. 3. Verify that the due date on the subscription versions has been reached. 4. Activate the 10,000 subscription versions. 5. Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. SP SOA establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.

		resync request.		
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the TNs in Item 4 of the Prerequisite SP Setup above: • One M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) 2. For the TNs in step 'a' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeOldSP-Concurrence for all TNs in the range. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration for all TNs in the range. (Range data) 3. For the TNs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range. (Range data) 4. For the TNs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with the subscription versions status of 'canceled'. (Range data) 5. For the TNs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in SVIDs). (Range data) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the next 25 TNs in the range (due to a break in SVIDs). (Range data) 6. For the TNs in step 'e' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 7. For the TNs in step 'f' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest for all TNs in the range. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration for all TNs in the range

				if the SOA supports the Final Create Window Expiration notification. (Range data) 8. For the TNs in step 'g' of the prerequisites: • One M-EVENT-REPORT subscription versionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data) 9. For the TNs in step 'h' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) • One M-EVENT-REPORT attributeValueChange for all TNs in the range. (Range data) 10. For the TNs in step 'i' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange with the subscriptionVersionStatus set to 'cancel-pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeCancellationAcknowledgeRequest for all TNs in the range. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange with the subscriptionVersionStatus set to 'conflict'. (Range data) 11. For the TNs in step 'j' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 12. For the TNs in step 'k' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range. (Range data) 13. For the TNs in step 'l' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 50 TNs in the range. (List date due to non-consecutive SVIDs) 14. For the Number Pool Block in step 'm' of the prerequisites: • One M-EVENT-REPORT numberPoolBlockObjectCreation 15. For the Number Pool Block in step 'n' of the prerequisites: • One M-EVENT-REPORT numberPoolBlockDelete NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Number Pool Block and Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next

		the NPAC SMS to set the resynchronization flag to FALSE.		scheduled interval for the NPA-NXX that was created during resynchronization and the subscription version that was activated during resynchronization.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
7.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that were created and activated in the Prerequisite SP Setup: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'canceled' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'e' in the prerequisites: • The subscription versions exist with a status of 'pending'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'old'. (or may not exist depending on local implementation) 5. For the TNs that are part of step 'h' in the prerequisites: • The subscription versions exist with a status of 'conflict'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'active'. 7. For the TNs that are part of step 'k' in the prerequisites: • The subscription versions exist with a status of 'active'. 8. For the Number Pool Block that is part of step 'm' in the prerequisites: • The Number Pool Block exists and subscription versions of LNP Type 'POOL' exist with status of 'active'. 9. For the Number Pool Block that is a part of step 'n' in the prerequisites: • The Number Pool Block does not exist and respective subscription versions exist with a status of 'old'. (the subscription versions may not exist depending on local implantation)
8.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data	SP	The following results are found: 1. For the TNs that were created and activated in the

		updated in this test case.		Prerequisite SP Setup: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of prerequisites step 'a': • The first 20 subscription versions exist with a status of 'active' and a different LRN from the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'canceled'. 3. For the TNs that are part of step 'e' in the prerequisites: • The subscription versions exist with a status of 'pending'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'old'. 5. For the TNs that are part of step 'h' in the prerequisites: • The subscription versions exist with a status of 'conflict'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'active'. 7. For the TNs that are part of step 'k' in the prerequisites: • The subscription versions exist with a status of 'active'. 8. For the Number Pool Block that is part of step 'm' in the prerequisites: • The Number Pool Block exists and subscription versions of LNP Type 'POOL' exist with status of 'active'. 9. For the Number Pool Block that is a part of step 'n' in the prerequisites: • The Number Pool Block and respective subscription versions exist with a status of 'old'.

A. TEST IDENTITY

Test Case Number:	**2.38**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider does not have any notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from TRUE to FALSE and recovery is attempted. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-82
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test. 3. While the SOA under test is off-line perform the following activities on behalf of the SP under test: a) Modify the Customer TN Range Notification Indicator for the SP under test from TRUE to FALSE. b) Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. c) Where SP under test is the New SP, Create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using another unique set of DPC/SSN data. Make sure that the SVIDs are completely contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. d) Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Take the SOA off-line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: 1. For the TNs in step 'b' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 2. For the TNs in step 'c' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 3. For the TNs in step 'd' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange each TN in the range NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Number Pool Block and Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval for the NPA-NXX that was created during resynchronization and the subscription version that was activated during resynchronization.
5.	SP	SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.

7.	SP – Optional	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that are part of step 'b' in the prerequisites: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'c' in the prerequisites: • The subscription versions exist with a status of 'active'.
8.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that are part of prerequisites step 'b': • The subscription versions were created and had a status of 'pending'. 2. For the TNs that are part of prerequisites step 'c': • The subscription versions were created and had a status of 'pending'. 3. For the TNs that are part of prerequisites step 'd': • The subscription versions exist with a status of 'active'.

A. TEST IDENTITY

Test Case Number:	**2.39**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from FALSE to TRUE and recovery is attempted. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-82
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	

Prerequisite NPAC Setup:	1. Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test. 2. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test. 3. While the SOA under test is off-line perform the following activities on behalf of the SP under test: a. Where the SP under test is the New SP, Create a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, the Old SP will not respond to this create request. For example, create 1000-1049. b. Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step 'a' above. For example, modify 1000-1019. c. Cancel the last 5 TNs of the subscription versions created in step 'a' above. For example, cancel 1045-1049. d. Activate the first 45 TNs of the subscription versions created in step 'a' above. For example, activate 1000-1044. e. Modify the Customer TN Range Notification Indicator for the SP under test from FALSE to TRUE. f. Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data. For example, create 5000-5024 with one set of DPC/SSN data. g. Where SP under test is the New SP, Create another range of subscription versions using the next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using another unique set of DPC/SSN data. Make sure that the SVIDs are completely contiguous between the 25 TNs in step 'j' and the 25 TNs in this step. For example, create 5025-5049 with a unique set of DPC/SSN data. h. Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049. 4. While the SOA under test is still in recovery, on behalf of the SP under test, submit an Intra-Service Provider Subscription Version Create Request for a range of 10 TNs NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.

2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with updates to the SP SOA. SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the TNs in step 'a' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range 2. For the TNs in step 'b' of the prerequisites: • An M-EVENT-REPORT attributeValueChange for each TN in the range 3. For the TNs in step 'c' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 4. For the TNs in step 'd' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the each TN in the range 5. For the TNs in step 'f' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 6. For the TNs in step 'g' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 7. For the TNs in step 'h' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Number Pool Block and Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval for the subscription versions that were created during resynchronization.

5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
7.	SP – Optional	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 2. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 3. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of Item 4 in the prerequisites: • The subscription versions exist with a status of 'pending'.
8.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 2. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 3. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of Item 4 in the prerequisites: • The subscription versions exist with a status of 'pending'.

A. TEST IDENTITY

Test Case Number:	**2.40**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – 'Primary' Service Provider Personnel initiate notification recovery over their SOA to NPAC Interface to recover a mixture of SV notifications for ranges of TNs for both their 'Primary' and 'Associated' SPIDs. The Customer TN Range Notification Indicator set to TRUE for both SPIDs. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-238, RR3-239, RR6-79, RR6-80,, RR6-29
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that SPID B is established as a 'Secondary' SPID to 'Primary' SPID A. 2. Verify that the Customer TN Range Notification Indicator is set to TRUE for both SPID A and SPID B. 3. Verify that the SOA Notification Priority tunable parameter is set to default values for both SPID A and SPID B. 4. Verify that filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful. 5. While the SPID A SOA is off-line perform the following activities on behalf of SPID A and SPID B: a) Create subscription versions for a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, where the New SP is SPID B and the Old SP and owner of the NPA-NXX is SPID A. b) On behalf of SPID A, concur to the subscription versions just created in step a. c) Activate the subscription versions created in step 'a' above. d) Disconnect the subscription versions activated in step 'c' above. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Take the SOA off line.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result

1.	SP	1. After all the prerequisites have been completed, SP Personnel bring the SPID A SOA back on-line. 2. The SPID A SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag for SPID A set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS for SPID A and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS for SPID A and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the SVs created in Item a of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) 2. For the SVs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 3. For the SVs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) 4. For the SVs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data) NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Number Pool Block and Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS for SPID A to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with		

		any data updates since the association was re-established.		
6.	SP	SPID A's SOA issues an M-ACTION Request lnpNotificationRecovery to the NPAC SMS for SPID B and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequence that the actions were performed: 1. For the SVs created in Item a of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) 2. For the SVs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 3. For the SVs in step 'c' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) 4. For the SVs in step 'd' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'old'. (Range data)
7.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS for SPID B to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval.
8.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with any data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the appropriate data was sent for each SPID in the action responses.	NPAC	The appropriate data was sent.
10.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the SPID A data updated in this test case.	SP	The following updates were sent: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeDonorSP-

				CustomerDisconnectDate for all TNs in the range. (Range data)
11.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the SPID B data updated in this test case.	SP	The following results are found: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'old'. (Range data).

A. TEST IDENTITY

Test Case Number:	**2.41**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Providers set their Customer TN Range Notification Indicator to the value they will use in production and perform a series of activities simultaneously, that emulate a period of time (15 – 30 minutes) in an actual production environment. NPAC SMS manages notifications accordingly. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	N/A
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	N/A

This test case deviates from the normal format of detailed test steps and expected results. In order to emulate a period of "production-like" activity the follow will occur:

- The lead NPAC test engineer will provide activities to each participating service provider
- This test case is REQUIRED for all service providers that have a SOA association in production
- The service providers should use scripts that go through their SOA application and over the CMIP/XML interface to the NPAC SMS whenever possible. The reason for this is to get the data over the interface and to the NPAC SMS as quickly as possible. Using simulators would not be an option unless they can be configured to send data through the SOA application and then over the CMIP/XML interface to the NPAC SMS.
- All service provider profile flags should be set to production values
- All test activities should be executed before any validation of activity is performed
- All validations will be performed after all test activities have been executed
- Any problems that are uncovered during the validation of the test activities will be investigated by both service provider and NPAC test engineers
- Testing activities shall consist of:
    - Old SP Creates
    - New SP Creates
    - Old SP Modify-pending
    - New SP Modify-pending
    - Activate, Success
    - Activate, Partial Failure
    - Activate, Failure
    - Modify active
    - Cancel
    - Immediate Disconnect
    - Deferred Disconnect
    - Activate Number Pool Block
    - Delete Number Pool Block
    - Audit of a single subscription version that results in LSMS updates
- Verify activities by performing one or more audits to verify all systems are in synch.
- 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.

NOTE: If the Service Provider SOA supports Optional Data and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered.

NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.

Note: This test case is written as an example of what should happen. Different Service Providers may want different priorities for their notifications than indicated and the test case will need to be adjusted accordingly.

A. TEST IDENTITY

Test Case Number:	**2.42**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – Service Providers have NPAC Personnel modify their notification priorities to ensure that they have notifications with the three different priorities (LOW, MEDIUM, and HIGH). The Service Providers verify that they receive the notifications according to the priorities listed in their SP Profile. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-245, RR3-246, RR3-247, RR3-248, RR3-249, RR3-250, RR3-251, RR3-253, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	N/A

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM. 2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to FALSE so that their SOAs will receive SOA Notifications on a TN basis. 3. Verify that there exists 500 "pending" subscription versions for which the Service Provider under test is the Old Service Provider and that they are ready to be activated. 4. Verify that there exists 500 "active" subscription versions for which the Service Provider under test is the Donor Service Provider and that they are ready to be disconnected. 5. Set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test: 6. Subscription Version Object Creation (S-1.00) = MEDIUM 7. Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider (L-11.0 A1) = HIGH 8. Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider (L-11.0 A1.5) = LOW 9. Subscription Version – Donor SP – Customer Disconnect Date Notification (L-6.0) – HIGH 10. 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:	1. Create 500 subscription versions for which you are the Old Service Provider. 2. Create 500 subscription versions for which you are the New Service Provider and have them ready to be activated. 3. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: - Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications (S-1.00) to the Service Provider under test) - Activate the 500 subscription versions listed in Item 2 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications (L-11.0 A1) to the Service Provider under test) Using the NPAC OpGUI, NPAC Personnel: - On behalf of the New SP activate the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the Old Service Provider Notifications (L-11.0 A1.5) to the Service Provider under test) - On behalf of the New SP, disconnect the 500 subscription versions listed in Item 4 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications (L-6.0) to the Service Provider under test)	NPAC	NPAC receives, validates, and starts processing all requests.
2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the SOAs based on their SOA Notifications Priority Indicators.	SP	All SP SOAs receive the notifications sent to them by the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the Service Provider under test according to the priorities that were	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.

		set for the respective notifications.		
4.	SP	SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications.
5.	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.

11.2 NANC 240 – No Cancellation of SVs Based on Expiration of T2 Timer Test Cases

A. TEST IDENTITY

Test Case Number:	**3.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a single TN subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. The Final Create Window Expiration notification is sent to both Service Providers. The subscription version stays in 'pending' status for a tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR3-240, RR3-242, RR3-244,, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.1, B.5.1.4.3, B.5.1.4.4, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML)	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC SMS for the TN they wish to create.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObje	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Final Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) for the TN to the Old SP SOA that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN –	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		

18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
20.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case. **NOTE: The tunable setting in addition to the test window provided may prohibit the ability to verify the "cancelled" status of this subscription version. If this is the situation, the test case can be passed if it is successful through step 21.**
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).		
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'cancelled'.
26.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled'.
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.2**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. The Final Create Window Expiration notification is not sent to either Service Provider. The subscription version stays in 'pending' status for a tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-241, RR3-243, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B5.1.1, B.5.1.4.3, B.5.1.4.4, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest in CMIP (or VNIN – SvNewSpCreateNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest in CMIP (or VNIN – SvNewSpCreateNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		SMS.		
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Final Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP so it **does not** issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML).	SP	Old SP SOA **does not** receive an M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS.
16.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New SP so it does not issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML).	SP	New SP SOA **does not** receive an M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS.
17.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
18.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
19.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
20.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to ‘cancelled’ for the subscription version that was created during this test case.
21.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).		
22.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
23.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
24.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
25.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Concurrence Window timers (T1 & T2) expire. After the Concurrence Window timers have expired, the New Service Provider does their create and activates the subscription version The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New Service Provider and to FALSE for the Old Service Provider. The Final Create Window Expiration notification is sent to the New Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 179
NANC FRS Version Number:	3.1	**Relevant Requirement(s):**	RR5-117, RR3-241, RR3-243, RR3-244
NANC IIS Version Number:	3.1	**Relevant Flow(s):**	B5.1.1, B.5.1.3, B.5.1.4, B.5.1.4.3, B.5.1.4.4, B.5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the NewSP and FALSE for the Old SP. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		it successfully received the M-EVENT-REPORT from the NPAC SMS.		
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP so it does not issue an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML).	SP	Old SP SOA **does not** receive an M-EVENT REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS.

16.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeC
			SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		auseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
17.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

21	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for the same TN that was created in Row 1 by the Old SP. 2. The SOA send an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
22.	NPAC	NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself and sets the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET from itself and issues an M-SET response to itself.
23.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
25.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
26.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from

		on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML).		the NPAC SMS according to their Customer TN Range Notification Indicator.
27.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
28.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate the single Inter-Service Provider subscription version. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the TN.	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.
29.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to 'sending' and set the subscriptionVersionActivationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
30.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
31.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		subscriptionBroadcastTimeStamp to the current date and time for the TN.		
32	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request is valid. 2. All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) subscriptionVersion back to the NPAC SMS. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the request from the NPAC SMS.
33.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN indicating the subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN indicating the status is 'active'.	SP	• Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
34.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
35.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN indicating the subscription version status is now 'active'.	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		• If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the TN indicating the status is 'active'.		
36	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the TN.
37.	NPAC	NPAC Personnel perform a query for the subscription version activated in this test case.	NPAC	The subscription version exists with a status of 'active'.
38.	SP – Optional	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version activated during this test case.	SP	1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
39.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version activated during this test case.	SP	The subscription version exists with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New Service Provider and to TRUE for the Old Service Provider. The Final Create Window Expiration notification is sent to the Old Service Provider. The subscription version stays in 'pending' status for a tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR3-241, RR3-243, RR3-244
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.4.3, B.5.1.4.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the NewSP and TRUE for the Old SP. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. The SP SOA issues an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS for the TN they wish to create.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Final Window tunable expires.

15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New SP so it **does not** issue an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML).	SP	New SP SOA **does not** receive an M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.

20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old SP creates a subscription version with authorization flag set to FALSE, New SP does not send create, timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New SPs. The Final Create Window Expiration notification is sent to both SPs and it contains the cause code. The subscription version stays in 'conflict' status. Verify that the SV status is changed to 'cancelled' after tunable amount of time – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR5-118, RR3-244
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.4.3, B.5.1.4.4, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN with authorization set to FALSE and a cause code. Specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 2. Old SP SOA issues an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML)	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC SMS for the TN they wish to create.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		(or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA **does not** respond to the create request and the Service Provider Concurrence Failure Window tunable expires.

15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.
		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes:
		  • start TN
		  • end TN
		  • start SVID
		  • end SVID
		  • subscriptionOldSP
		  • subscriptionNewCurrentSP
		  • subscriptionOldSP-DueDate
		  • subscriptionOldSP-Authorization
		  • subscriptionOldSP-AuthorizationTimeStamp
		  • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false)
		  • subscriptionTimerType (if supported)
		  • subscriptionBusinessType (if supported)
		• If the setting is FALSE the
			SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowE	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		xpirationNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported) • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) with the following attributes: • subscriptionTN • subscriptionId • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimerType (if supported) • subscriptionBusinessType (if supported)		
18.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New

		NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		SP SOA.
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'conflict'.
20.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled': • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the status is 'cancelled'.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.
24.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled':	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.

		• If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the status is now 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) indicating the status is 'cancelled'.		
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
26.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**3.6**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to TRUE. Service Provider recovers Final Create Window Expiration notifications during recovery. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-117, RR6-29
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 2. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 3. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test: a) Where the SP under test is the Old SP, create a single TN Inter-Service Provider subscription version. b) Allow the T1 and T2 timers to expire. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the	NPAC	NPAC SMS stores the messages according to the SP Customer TN Range Notification Indicator and the No New SP Concurrence Notification Indicator setting.

		prerequisites above.		
3.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
4.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
5.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration for the single TN subscription version create. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration for the single TN subscription version create NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
6.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with an M-ACTION Response. Any activity that the NPAC SMS had queued up during resynchronization will now be sent.
7.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
8.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case has a status of 'pending' and the appropriate notifications were received.
9.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is 'pending'.

A. TEST IDENTITY

Test Case Number:	**3.7**	**SUT Priority:**	**SOA**	R
			LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to FALSE. Service Provider **does not** recover Final Create Window Expiration notifications during recovery. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 240
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-241, RR6-29
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 2. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 3. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test: a) Where the SP under test is the Old SP, create a single TN Inter-Service Provider subscription version. b) Allow the T1 and T2 timers to expire. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Number Pool Block and Subscription Version prerequisite steps above; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the	NPAC	NPAC SMS stores the messages according to the SP Customer TN Range Notification Indicator and No New SP Concurrence Notification Indicator setting.

		prerequisites above.		
3.	SP	1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
4.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M-ACTION Response lnpDownload back to the SOA with the Network Data updates.
5.	SP	SP SOA issues an M-ACTION Request lnpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response lnpNotificationRecovery with the following notification data updates to the SP SOA based on their Customer TN Range Notification Indicator: • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification for the single TN in the subscription version create. • If the setting is FALSE, the NPAC SMS issues one M-EVENT-REPORT objectCreation notification for the single TN in the subscription version create. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
6.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with an M-ACTION Response. Any activity that was queued up during the resynchronization will now be sent.
7.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS and any activity that the NPAC SMS had queued up during resynchronization.		
8.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
9.	SP – Optional	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case has a status of 'pending' and appropriate notifications were received.
10.	SP – Conditional	Service Provider Personnel perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is 'pending'.

11.3 NANC 294 – Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due Date Problems

A. TEST IDENTITY

Test Case Number:	**4.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA –Old Service Provider Personnel submit a subscription version Concurrence after 7:00PM EST (the next day GMT but same day local time) using the same due date (GMT) as used in the initial creation by the New Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the New Service Provider has created the subscription version with a due date equal to today (in the Old Service Provider's local time zone) and it has a status of 'pending'. 3. Verify that the current time is after 7:00PM EST today (next day GMT) in the Old Service Provider's time zone. 4. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current time is after 7:00PM EST (next day GMT) using the SOA, Old SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionOldSP-DueDate equal to yesterday (in GMT) for a subscription version that was created earlier (by New SP) with a due date of yesterday (in GMT). The due dates should match.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		2. Old SP SOA issues an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		NPAC SMS issues an M-EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the New Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the New Service Provider has created the subscription version with a due date equal to yesterday (local time) and it has a status of 'pending'. 3. Verify that the current time is "subscriptionVersionNewSP-DueDate plus 1" (both local and GMT time) in the Old Service Provider's time zone. 4. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the time is "subscriptionVersionNewSP-DueDate plus 1" (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is "subscriptionVersionNewSP-DueDate plus 1" (local and GMT time), using the SOA, Old SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionOldSP-DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). 2. Old SP SOA issues an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ –	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		OldSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		ation in XML).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Create after 7:00PM EST (the next day GMT but same day local time) using the same due date (in GMT) as used in the initial creation by the Old Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the Old Service Provider has created the subscription version with a due date equal to today (in the Service Provider's local time zone) and it has a status of 'pending'. 3. Verify that the current time is after 7:00PM EST today (next day GMT) in the Old Service Provider's time zone. 4. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current time is after 7:00PM EST (next day GMT), using the SOA, New SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionNewSP-DueDate equal to yesterday (in GMT) for a subscription version that was created earlier (by the Old SP) with a due date of yesterday (in GMT). The due dates should match. 2. New SP SOA issues an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ –	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		NewSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp and the subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		(or VATN – SvAttributeValueChangeNotification in XML).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the Old Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the Old Service Provider has created the subscription version with a due date equal to yesterday (local time) and it has a status of 'pending'. 3. Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and GMT time) in the New Service Provider's time zone. 4. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is "subscriptionVersionOldSP-DueDate plus 1" (local and GMT time), using the SOA, New SP Personnel submit a subscription version Create request to the NPAC SMS with the subscriptionNewSP-DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). The due dates should match. 2. New SP SOA issues an M-ACTION subscriptionVersionNewSP-	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp and the subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML).		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	**4.5**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is the current date in local time but the next day in GMT. – Error			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 294
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR5-119
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1 or B.5.1.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that a 'pending-like' subscription version for the TN to be used in this test case does not exist on the NPAC SMS. 3. Verify that the current time is after 7:00PM EST today (next day GMT) in the New/Old Service Provider's time zone. 4. Verify that the current date is greater than or equal to the NPA-NXX Live Timestamp. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. When the current date and time is today, local time, but tomorrow, GMT, using the SOA, SP Personnel submit a subscription version Create request to the NPAC SMS with the subscriptionNew/OldSP-DueDate equal to yesterday (in GMT). 2. SP SOA issues an M-ACTION subscriptionVersionNew/OldSP-Create in CMIP (or OCRQ – OldSpCreateRequest /NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	1. NPAC SMS receives the M-ACTION subscriptionVersionNew/OldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest /NCRQ – NewSpCreateRequest in XML) from the Old/New SP SOA and verifies that each attribute specified is valid according to system requirements. 2. NPAC SMS determines that the due date is for yesterday (GMT). This violates system requirement so it fails the request.

2.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or OCRR – OldSpCreateReply /NCRR – NewSpCreateReply in XML) to the Old/New SP SOA indicating that the request failed.	SP	Old/New SP SOA receives the M-ACTION Response (or OCRR – OldSpCreateReply /NCRR – NewSpCreateReply in XML) from the NPAC SMS.
3.	NPAC	NPAC Personnel perform a query for the subscription version that the service provider attempted to create in this test case.	NPAC	The subscription version does not exist.
4.	SP – Optional	Via their SOA, SP Personnel perform a local query for the subscription version that they attempted to create during this test case.	SP	The subscription version does not exist.
5.	SP – Conditional	SP Personnel perform an NPAC SMS query for the subscription version that they attempted to create during this test case.	SP	The subscription version does not exist on the NPAC SMS.

11.4 NANC 328 – Tunable for Long and Short Business Days

NOTE: The Long and Short Business Days tunable parameter used in the test cases in this section is a regional parameter and modifying it will affect everyone that is testing in the region. Therefore, the execution of the test cases in this section will need some coordination.

A. TEST IDENTITY

Test Case Number:	**5.1**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-233, RR3-234, RR3-235, RR3-236
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.4.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through Saturday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'LONG'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'LONG' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification. 8. For the SV Create, specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 9. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it does not include today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it does not include today.
2.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
9.	SP	Old SP SOA **does not** respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	Old SP Personnel checks its notifications to see if an OldSP-ConcurrenceRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an OldSP-ConcurrenceRequest notification from the NPAC SMS.

12.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it includes today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it includes today.
13.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer expires.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest notification in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS.
15.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPROT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.

A. TEST IDENTITY

Test Case Number:	**5.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the New SP has not received a NewSP-Create Request notification. NPAC Personnel modify the Long Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the New SP receives a NewSP-Create Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-233, RR3-234, RR3-235, RR3-236
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.2, B.5.1.4.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through Saturday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'LONG'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'LONG' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'LONG' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification. 8. For the SV Create, specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 9. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it does not include today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it does not include today.
2.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		EVENT-REPORT from the NPAC SMS.		
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
9.	SP	New SP SOA **does not** respond to the create request.		
10	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	New SP did not receive a NewSP-CreateRequest notification from the NPAC SMS.
12.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Long Business Days' tunable parameter such that it includes today.	NPAC	The 'Long Business Days' tunable parameter is modified such that it includes today.

13.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer expires.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Create Request notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA.	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
15.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	**5.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-229, RR3-230, RR3-231, RR3-232
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.1, B.5.1.3, B.5.1.4.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through Friday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'SHORT' 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'SHORT' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'SHORT' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification. 8. For the SV Create, specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 9. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it does not include today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it does not include today.
2.	SP	1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		it successfully received the M-EVENT-REPORT from the NPAC SMS.		
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
9.	SP	New SP SOA **does not** respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	New SP did not receive a NewSP-CreateRequest notification from the NPAC SMS.
12.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it includes today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it includes today.

13.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer expires.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML) to the New SP SOA.	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC SMS.
15.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	**5.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. NPAC Personnel modify the Short Business Days tunable parameter to a value that does include today. After a tunable amount of time the Initial Concurrence Window timer has expired and the Old SP receives an OldSP-Concurrence Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 328
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-229, RR3-230, RR3-231, RR3-232
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.4.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 2. Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through Friday'. 3. Verify that the New and Old Service Provider's 'Business Days' tunable parameter is set to 'SHORT'. 4. Verify that for the New Service Provider in this TC, their 'Port-In Timer Type' is set to 'LONG' in their Customer Profile. 5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'LONG' in their Customer Profile. 6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'SHORT' in their Customer Profile. 7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification. 8. For the SV Create, specify a due date that is greater than or equal to the NPA-NXX Live Timestamp. 9. 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. To meet the objective of this test case if the service provider under test *does* support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it does not include today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it does not include today.
2.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.

		it successfully received the M-EVENT-REPORT from the NPAC SMS.		
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML). 2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
9.	SP	Old SP SOA **does not** respond to the create request.		
10.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer has not expired.
11.	SP	Old SP Personnel checks its notifications to see if an OldSP-ConcurrenceRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an OldSP-ConcurrenceRequest notification from the NPAC SMS.
12.	NPAC	Using the NPAC OpGUI, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it includes today.	NPAC	The 'Short Business Days' tunable parameter is modified such that it includes today.

13.	NPAC	NPAC SMS waits for the tunable amount of time for the Initial Concurrence Window timer during the business hours for the day.	NPAC	The Initial Concurrence Window timer expires.
14.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest notification in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS.
15.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
16.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
17.	SP – Optional	Via their SOA, New SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
18.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.
19.	SP – Optional	Via their SOA, Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.

11.5 NANC 329 – Prioritization for SOA Notifications

Important information for this section of test cases: ***The priority assigned to messages will affect the order that the NPAC SMS attempts to send them. The NPAC SMS groups outbound messages in blocks of 100 and once dispatched the priority is not evaluated again until all 100 messages are sent.***

A. TEST IDENTITY

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

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-245, RR3-246, RR3-248, RR3-249, RR3-250, RR3-247, RR3-252, R4-8
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.5.1.2, B.5.1.2.1, B.5.1.6, B.5.3.1, B.5.4.1, B.5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to production values for both the Old and the New Service Providers. 2. Verify that all 'SOA Notification Priority' tunable parameters for the Old Service Provider are defaulted to MEDIUM. 3. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM except for the ones listed in Step 3. 4. Set the following 'SOA Notification Priority' tunable parameters to NONE for the Service Provider under test (New SP): • Subscription Version New NPA-NXX Notification (L-8.0) • Subscription Version Object Creation (S-1.00) • Subscription Version Status Attribute Value Change – cancel-pending (L-11.0 G) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider (L-11.0 A1) • Subscription Version Status Attribute Value Change Notification – set to OLD (L-11.0 E) NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Subscription Version steps within the test case; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the respective Subscription Version create requests (within the test case body) including the MTI indicator; this attribute will be included in the appropriate notifications recovered.

Prerequisite SP Setup:	1. Verify that there exists a 'pending' subscription version that can be activated (SV1). 2. Verify that there exists a 'pending' subscription version to which the Old and New SPs have both done their creates (SV2). 3. Verify that there exists an 'active' subscription version that can be disconnected (SV3).

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a First Port Inter-Service Provider subscription version Create request to the NPAC SMS (SV4). 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.
3.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself to create the subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time.
4.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA indicating the subscription version was successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS **does not** issue an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP.	SP	New SP SOA **does not** receive an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
6.	NPAC	NPAC SMS issues and M-EVENT-REPORT to the Old SP SOA based on its Customer TN Range Notification Indicator. • If the setting is TRUE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). • If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

		– SvObjectCreationNotification in XML). NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	Since this is a First Port in the NPA-NXX, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to all LSMSs that are accepting downloads for the NPA-NXX.	SP	LSMSs that are accepting downloads for the NPA-NXX receive the M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) and respond to the NPAC SMS with an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
9.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) from the NPAC SMS.
10.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
11.	NPAC	NPAC SMS **does not** issue an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to the New SP SOA.	NPAC	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) from the NPAC SMS.
12.	NPAC	On behalf of the Old SP, NPAC Personnel submit a cancel request for the subscription version referenced in step 2 of the Prerequisite SP Setup above (SV2).	NPAC	NPAC SMS receives the cancellation request, determines that the request is valid and sets the subscription version status to 'cancel-pending'.
13.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with the subscription version status = 'cancel-pending'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with the subscription version status = 'cancel-pending'.		
14.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
15.	NPAC	NPAC SMS **does not** send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with the 'cancel-pending' status to the New SP.	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
16.	SP	1. Using the SOA, New SP Personnel submit an activate request for the subscription version referenced in step 1 of the Prerequisite SP Setup above (SV1). 2. The SOA sends an M-ACTION subscriptionVersionActivate request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionActivate from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response in CMIP (or ACTR – ActivateReply in XML).
17.	NPAC	NPAC SMS issues an M-CREATE subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX.	SP	All LSMSs that are accepting downloads for the NPA-NXX receive the M-CREATE subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) and respond to the NPAC SMS with an M-CREATE Confirmation in CMIP (or DNLR – DownloadReply. in XML).
18.	NPAC	Once the NPAC SMS receives a successful response from all LSMSs that are accepting downloads for the NPA-NXX it sends an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		• If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with the subscription version status = 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) with the subscription version status = 'active'.		
19.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (NOTR – NotificationReply in XML) from the Old SP SOA.
20.	NPAC	NPAC SMS but **does not** send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA.	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and still shows the subscription version with a status of 'pending'.
21.	SP	1. Using the SOA, New SP Personnel submit a disconnect request for the subscription version referenced in step 3 of the Prerequisite SP Setup above (SV3). 2. The SOA sends an M-ACTION subscriptionVersionDisconnect request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response in CMIP (or DISR – DisconnectReply in XML).
22.	NPAC	After internal process is complete NPAC SMS issues an M-EVENT-REPORT to the Donor SP SOA based on their Customer TN Range Notification Indicator. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS.

		in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML). • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML).		
23.	SP	Donor SP SOA issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Donor SP SOA.
24.	NPAC	NPAC SMS issues an M-DELETE subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX.	SP	All LSMSs that are accepting downloads for the NPA-NXX receive the M-DELETE subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) and respond to the NPAC SMS with an M-DELETE Confirmation in CMIP (or DNLR – DownloadReply in XML).
25.	NPAC	Once the NPAC SMS receives a successful response from all LSMSs that are accepting downloads for the NPA-NXX it sets the subscription version status to 'old' but **does not** send an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA.	SP	New SP SOA **does not** receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and still shows the subscription version with a status of 'active'.

A. TEST IDENTITY

Test Case Number:	**6.2**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – New Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-251, RR3-253
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (New SP). 2. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test (New SP) are defaulted to MEDIUM except for the ones listed in Step 3. 3. Set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test (New SP): • Subscription Version Object Creation = HIGH (S-1.00) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = LOW (L-11.0 A) NOTE: If the Service Provider SOA supports Optional Data and/or SV Type, these attributes will be included in the Subscription Version create steps within the test case body; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the respective Subscription Version create requests (within the test case body) including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	1. Create 5000 'pending' subscription versions and have them ready to modify (SV1). 2. Create one 'pending' subscription version and have it ready to activate (SV2).

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel perform the following activities in the order listed and as quickly as possible and submit to the NPAC SMS: • Modify the 5000 subscription versions (SV1) listed in Item 1 of the Prerequisite SP Setup (will result in Attribute Value Change notifications (S-3.00 A)).	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

		• Activate the one subscription version (SV2) listed in Item 2 of the Prerequisite SP Setup (will result in Subscription Version Status Attribute Value Change – Activates – to the New Service Provider notifications (L-11.0 A1)). • Create a new 'pending' subscription version (will result in Object Creation notification (S-1.00)). If the service provider under test supports MTI, set the value to False to meet the objective of this test case.		
2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the New SP SOA.	SP	New SP SOA receives all notifications from the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the New SP SOA according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
4.	SP	New SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** There is significant timing involved in this test case. By modifying the 5000 'pending' subscription versions with the Customer TN Range Notification Indicator set to FALSE, enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilize the SOA Notification Priority settings. Based on the New SP settings in the Prerequisite NPAC Setup, the New SP SOA should receive the M-EVENT-REPORT objectCreation notification (S-1.00) resulting from the SV Create before it receives all of its M-EVENT-REPORT attributeValueChange notifications (S-3.00 A) resulting from the SV Modifies and it should receive the M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange notification (L-11.0 A1) resulting from the SV Activate last. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.

A. TEST IDENTITY

Test Case Number:	**6.3**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	SOA – Old Service Provider Personnel verify that they received the notifications according to their SOA Notification Priority settings. – Success			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR3-251, RR3-253
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (Old SP). 2. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test (Old SP) are defaulted to MEDIUM except for the ones listed below: • Subscription Version Object Creation = LOW (S-1.00) • Attribute Value Change = HIGH (S-3.00 A) NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Subscription Version create steps within the test case body; these attributes will be appropriately included in the notifications recovered. NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the respective Subscription Version create requests (within the test case body) including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	1. Create one 'pending' subscription version and have them ready to modify (SV1). No create from the New SP. 2. Create one 'pending' subscription version and have it ready to cancel (SV2). No create from the New SP.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel perform the following activities in the order listed and as quickly as possible and submit to the NPAC SMS: • Create 5000 subscription versions (will result in Object Creation notification (S-1.00)). If the service provider under test supports MTI, set the value to False to meet the objective of	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

		this test case. • Modify the due date on the subscription version (SV1) listed in Item 1 of the Prerequisite SP Setup (will result in Attribute Value Change notification (S-3.00 A)). • Cancel the subscription version (SV2) listed in Item 2 of the Prerequisite SP Setup (will result in Subscription Version Status Attribute Value Change – cancel notification (L-11.0 H3)).		
2.	NPAC	NPAC SMS generates the appropriate notifications and sends them to the Old SP SOA.	SP	Old SP SOA receives all notifications from the NPAC SMS.
3.	NPAC	NPAC Personnel verify that all notifications were sent to the Old SP SOA according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications.
4.	SP	Old SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** There is significant timing involved in this test case. By creating the 5000 subscription versions with the Customer TN Range Notification Indicator set to FALSE, enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilize the SOA Notification Priority settings. Based on the Old SP settings in the Prerequisite NPAC Setup, the Old SP SOA should receive the M-EVENT-REPORT attributeValueChange notification resulting from the SV Modify and the subscriptionVersionStatusAttributeValueChange notifications resulting from the SV Cancel before it receives all of its M-EVENT-REPORT objectCreation notifications resulting from the SV Creates. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.

A. TEST IDENTITY

Test Case Number:	**6.4**	**SUT Priority:**	**SOA**	C
			LSMS	N/A
Objective:	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success **Note**: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML interface.			

B. REFERENCES

NANC Change Order Revision Number:		**Change Order Number(s):**	NANC 329
NANC FRS Version Number:	3.1.0	**Relevant Requirement(s):**	RR6-83, RR6-30
NANC IIS Version Number:	3.1.0	**Relevant Flow(s):**	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM. 2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to FALSE so that their SOA will receive SOA Notifications on a TN basis. 3. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. 4. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 5. After the Service Provider under test has performed the activities listed in the Prerequisite SP Setup and NPAC SMS has processed all the requests, set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test: • Object Creation = HIGH (S-1.00 • Subscription Version Cancellation Acknowledge Request = MEDIUM (L-4.0 A) • Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM (L-11.0 A1) • Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH (L-11.0 E) • Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM (L-11.0 A1.5) • Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW (L-6.0) • Number Pool Block Status Attribute Value Change Notification – HIGH (L13.0 A) NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the Subscription Version create steps within the test case body; these attributes will be appropriately included in the notifications recovered.

	NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the respective Subscription Version create requests (within the test case body) including the MTI indicator; this attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as listed above perform the following activities: 1. Create 500 subscription versions and have them ready to be activated. 2. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider. 3. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications). If the service provider under test supports MTI, set the value to False to meet the objective of this test case. • Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications) • Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications) • Abort your SOA association Using the NPAC OpGUI, NPAC Personnel: • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications) • Activate the 2 Number Pool	NPAC	NPAC receives, validates, and starts processing all requests.

		Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) • On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications).		
2.	NPAC	NPAC SMS generates the appropriate notifications and attempts to send them to the New SP SOA.	SP	New SP SOA association is down so the notifications are queued at the NPAC SMS.
3.	NPAC	NPAC SMS waits for concurrence from the New SP SOA for the range of TNs that was cancelled by the Old SP (3rd bullet item in the NPAC Personnel activities listed in Row 1 above).	NPAC	New SP SOA does not respond to the cancel request and the Cancellation – Initial Concurrence Window tunable expires.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT by notifications to the New SP SOA.		
5.	SP	Using the SOA, SP Personnel send a bind request to the NPAC SMS with their recovery flag set to TRUE.	NPAC	NPAC SMS accepts the bind request, association is established and recovery of missed notifications commences.
6.	NPAC	NPAC Personnel verify that all notifications were sent to the Service Provider under test according to the priorities that were set for the respective notifications.	NPAC	All notifications were sent according to the priorities that were set for the respective notifications. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.
7.	SP	SP Personnel verify that all notifications were received according to the priorities that were set for the respective notifications.	SP	All notifications were received according to the priorities that were set for the respective notifications. **Note:** During recovery Service Providers recover messages in the order that the NPAC SMS attempted to send them. The priority that is assigned to the messages will affect the order that the NPAC SMS attempts to send them. The NPAC SMS will group outbound messages in blocks of 100 and once dispatched the priority is not evaluated again until all 100 messages are sent.