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 3.4.68

Chapter 11

November 30December 31, 20135 Release 3.4.6<u>V28</u>

Table of Contents

<i>11</i> .	Individual Turn Up Test Scenarios related to NPAC Release 3.1.	3
11.1	NANC 179 – TN Range Notification Test Cases	4
11.2	NANC 240 – No Cancellation of SVs Based on Expiration of T2 Timer Test Cases	174
<u>11.3</u>	NANC 294 - Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due Date H	Problems214
<u>11.4</u>	NANC 328 – Tunable for Long and Short Business Days	228
<u>11.5</u>	NANC 329 – Prioritization for SOA Notifications	244
<u>11.</u>	- <u>Individual Turn Up Test Scenarios related to NPAC Release 3.1</u>	3
11.1	NANC 179 TN Range Notification Test Cases	4
<u>11.2</u>	NANC 240 No Cancellation of SVs Based on Expiration of T2 Timer Test Cases	174
<u>11.3</u>		Problems 214
11.4	NANC 328 — Tunable for Long and Short Business Days	228
11.5	NANC 329 Prioritization for SOA Notifications	244

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. <u>TEST IDENTITY</u>

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 reque	st. Initial and Final Conc	currence Windows expire	e. – 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

IKEREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to the production value for
Setup:	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	 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. 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.

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		to the NPAC for the range of TNs they wish to create.		
2.	NPAC	 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. 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 subscriptionVersionRangeObjectCre ation 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 • subscriptionOldSP • subscriptionOldSP- • subscriptionOldSP- • subscriptionOldSP- Authorization	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

	1		r	
		 subscriptionOldSP- 		
		AuthorizationTimeStamp		
		• subscriptionStatusChangeCause		
		Code (if subscriptionOldSP-		
		Authorization set to false)		
		subscriptionVersionStatus		
		 subscription VersionButtab subscriptionTimerType (if 		
		supported)		
		• subscriptionBusinessType (if		
		supported)		
		• subscriptionOldSPMediumTim		
_		erIndicator (if supported)		
5	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		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-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA based		VOCN – SvObjectCreationNotification in XML) from the
		on their Customer TN Range		NPAC SMS according to their Customer TN Range
		Notification Indicator.		Notification Indicator.
		• If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeObje		
		ctCreation 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		
		• subscriptionStatusChangeCa		
		useCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		 subscriptionVersionStatus 		
		 subscriptionTimerType (if 		
		supported)		

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[Γ			
7.	SP	 subscriptionBusinessType (if supported) subscriptionOldSPMediumT imerIndicator (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. New SP SOA issues an M-EVENT- 	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
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 subscription VersionNewNPA-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 – NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to Old and New SP SOAs. 	SP	 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. 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. 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. 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 – Optiona l	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 – Conditi onal	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.

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		 on their Customer TN Range Notification Indicator. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeNew SP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML) that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP subscriptionOldSP-DueDate 		
		 SubscriptionOldSF- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeC auseCode (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 		
14.	SP	XML) for each TN in the range.New SP SOA issues M-EVENT-REPORT Confirmation(s) in CMIP(or NOTR – NotificationReply inXML) to the NPAC SMS indicatingit successfully received the M-EVENT-REPORT from the NPACSMS.	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 – SvNewSpFinalCreateWindowExpir ationNotification 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 • subscriptionOldSP • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-Authorization • subscriptionOldSP-Authorization • subscriptionOldSP-Authorization • subscriptionOldSP-Authorization StatusChangeC auseCode (if subscriptionOldSP-Authorization set to false) • subscriptionTimeType (if supported) • subscriptionBusinessType (if supported)		
17.	SP	notification is sent. 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 subscriptionVersionRangeNew SP-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.

	SvNewSpFinalCreateWindowE xpirationNotification in XML) that contains the following attributes:• start TN• end TN• start SVID• end SVID• end SVID• subscriptionOldSP• subscriptionNewCurrentSP• subscriptionOldSP- DueDate• subscriptionOldSP- Authorization• subscriptionOldSP- AuthorizationTimeStamp• subscriptionOldSP- AuthorizationTimeStamp• subscriptionOldSP- AuthorizationTimeStamp• subscriptionOldSP- AuthorizationTimeStamp• subscriptionOldSP- Authorization Set to false)• SubscriptionVersionNewSP- FinalCreateWindowExpiration in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpiration in CMIP (or (or VNFN – SvNewSpFinalCreateWindowExpiration in CMIP (or each TN in the range.• If the Final Create Window ExpirationNotification in XML) for each TN in the range.		
	xpirationNotification in XML) for each TN in the range.		
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. NPA		NPAC	The subscription versions exist with a status of 'pending'.
21. SP – Optic 1	Via the SOA, Old SP Personnel	SP	The subscription versions exist with a status of 'pending'.

		this test case.		
22.	SP – Conditi onal	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 Concurrent	nce Window Expires. – S	Success		

B. **REFERENCES**

KEFERENCES		-	
NANC Change Order		Change Order	NANC 179
Revision Number:		Number(s):	
NANC FRS Version	3.1.0	Relevant	RR5-113, RR5-114, RR6-81
Number:		Requirement(s):	
NANC IIS Version	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
Number:			

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to the production value for
Setup:	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	 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. 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

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November 30December 31, 20135

	 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 		subscriptionCreationTimeStamp to the current date and time for each subscription version.
3. NPAC	value is also considered. 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	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	successfully created. NPAC SMS issues an M-EVENT- REPORT subscriptionVersionRangeObjectCre ation 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 • subscriptionVersionId • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP- CreationTimeStamp • subscriptionVersionStatus • subscriptionNewSPype (if supported) • subscriptionNewSPMediumTim • erIndicator (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		
6.	NPAC	SMS. 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 subscriptionVersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) that contains the following attributes: start TN end TN start SVID end SVID. subscriptionVersionId subscriptionNewsPropueDate subscriptionNewSP- DueDate subscriptionNewSP- CreationTimeStamp subscriptionNewSP- CreationTimeType (if supported) subscriptionNewSPMediu mTimerIndicator (if supported) subscriptionNewSPMediu mTimerIndicator (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	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	range. 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'.

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		versions created in this test case.		
	SP – Optiona I	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'.
(SP – Conditi onal	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 subscriptionVersionRangeOldS P-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 subscriptionNewSP-DueDate subscriptionTimeType (if supported) subscriptionBusinessType (if supported) If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest in CMIP (or VOIN – SvOldSpConcurrenceRequest 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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s)
		REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating		in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
		it successfully received the M- EVENT-REPORT from the NPAC SMS.		
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 subscriptionVersionRangeOldS P- FinalConcurrenceWindowExpir ation in CMIP (or VOFN – SvOldSpFinalConcurrenceWin dowExpirationNotification in XML) that contains the following attributes: start TN end TN start SVID subscriptionTimerType (if supported) If the setting is FALSE, NPAC SMS issues an M-EVENT- REPORT 	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
		subscriptionVersionOldSP- FinalConcurrenceWindowExpir ation in CMIP (or VOFN – SvOldSpFinalConcurrenceWin dowExpirationNotification in XML) for each TN in the range.		
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-

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November 30 December 31, 20135

		REPORT subscriptionVersionOldSPFinalCon currenceWindowExpiration in CMIP (or VOFN – SvOldSpFinalConcurrenceWindow ExpirationNotification 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 – Optiona l	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 – Conditi onal	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	С		
			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

REFERENCES			
NANC Change Order		Change Order	NANC 179
Revision Number:		Number(s):	
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:	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New
Setup:	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	 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. 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

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				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 subscriptionVersionRangeObjectCre ation 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 subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-DueDate subscriptionNewSP- CreationTimeStamp subscriptionTimerType (if supported) subscriptionNewSPMediumTim erIndicator (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 subscriptionVersionRangeObje ctCreation 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.

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	n		1	
		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)		
		 subscriptionNewSPMediu 		
		mTimerIndicator (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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
<i>,</i> .	51	REPORT Confirmation(s) in CMIP	mne	CMIP (or NOTR – NotificationReply in XML) from the Old SP
		(or NOTR – NotificationReply in		SOA.
				SUA.
		XML) indicating it successfully		
		received the M-EVENT-REPORT		
		from the NPAC SMS.		
8.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending'.
		for the subscription version created		
		in this test case.		
9.	SP –	Via their SOA, New SP Personnel	SP	The subscription version exists with a status of 'pending'.
	Optiona	perform a local query for the		
	1	subscription version created during		
		this test case.		
10.	SP –	New SP Personnel perform an	SP	The subscription version exists with a status of 'pending' on the
	Conditi	NPAC SMS query for the		NPAC SMS.
	onal	subscription version created during		
		this test case.		
11.	SP	1. Using the SOA, Old SP	NPAC	NPAC SMS receives the M-ACTION
	51	Personnel submit an Inter-	111710	
				subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreatePequest in XML) from the Old SP SOA and
		Service Provider subscription		OldSpCreateRequest in XML) from the Old SP SOA and
		version Create request to the		verifies that each attribute specified is valid according to system
		NPAC for the same TN as		requirements.
1	1	created by the New SP in Row	1	

		 1. 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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP- DueDate subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionTimeType (if supported) 	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.

16.	SP	 (if supported) subscriptionOldSPMedium TimerIndicator (if supported) If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN SvAttributeValueChangeNotific ation in XML) for the TN. Old 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 Old SP SOA.
		XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		
17.	NPAC	 NPAC SMS issues an M-EVENT- REPORT subscriptionVersionRangeAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 subscriptionBusinessType (if supported) subscriptionOldSPMediumTime rIndicator (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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

Test Case Number:	2.4	SUT Priority:	SOA	С		
			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	e notifications according	ly. – 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

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicators are set to TRUE for both
Setup:	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	 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. 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.
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		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 subscriptionVersionRangeObjectCre ation 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 • subscriptionOldSP • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP- Authorization • subscriptionOldSP- Authorization • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionVersionStatus • subscriptionVersionStatus • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionOldSPMediumTim erIndicator (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).

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		NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.		
6.	NPAC	 NPAC SMS issues an M-EVENT- REPORT subscriptionVersionRangeObjectCre ation 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 subscriptionOldSP subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionOldSP-Authorization subscriptionOldSP-Authorization subscriptionStatusChangeCause Code (if subscriptionOldSP-Authorization set to false) subscriptionVersionStatus subscriptionTimerType (if supported) subscriptionOldSPMediumTim erIndicator (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 – Optiona l	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 – Conditi onal	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.

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		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 subscription/versionRangeNew 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 subscriptionOldSP subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionTimeType (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.

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CMIP (or VNFN SvNewSpFinalCreateWindowExpir ationNotification 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:	
16. SP 16. SP 16. SP SP If the notification is STUPE (if supported) 16. SP If ationNotification is SPEORT ationNotification Indicator: • If the setting is TRUE, they will receive the M-EVENT-REPORT REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes: • start TN • end TN • start SVID • end SVID • subscriptionOldSP • subscriptionOldSP-DueDate • subscriptionOldSP-Authorization • subscriptionOldSP-Authorization set to false) • subscriptionBusinesSType (if su	
16. SP If the social section of the sectin of the section of the sectin of the sectin of the se	
16. SP If the notification was received, the of the setting is FALSE, no notification is sett. 16. SP If the notification was received, the Old SP SOA (SPID B).	
Image: Image: Second	
 If the setting is TRUE, they will receive the M-EVENT- REPORT subscription Version NewSP- FinalCreateWindowExpiration notification that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP subscriptionOldSP- DueDate subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionOldSP- AuthorizationTimeStamp subscriptionOldSP- Authorization set to false) subscriptionOldSP- Authorization is sett. 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – 	
 If the setting is TRUE, they will receive the M-EVENT- REPORT subscription Version NewSP- FinalCreateWindowExpiration notification that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP subscriptionOldSP- DueDate subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionOldSP- AuthorizationTimeStamp subscriptionOldSP- Authorization set to false) subscriptionOldSP- Authorization is sett. 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT	
16. SP If the notification as received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification as received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification as received, the Old SP SOA (SPID B) issues an M-EVENT	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT Confirmation in Sent. 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT Confirmation in CMIP (or NOTR –	
Image: PrinalCreateWindowExpiration notification that contains the following attributes: start TN end TN start SVID end SVID end SVID subscriptionOldSP subscriptionOldSP- pueDate subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization TimeStamp subscriptionOldSP- Authorization Set to false) subscriptionOldSP- Authorization is set to false) 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 – Notification from the Old SP SOA (SPID B).	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT Confirmation in CMIP (or NOTR –	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT Confirmation in CMIP (or NOTR –	
16. SP If the notification was received, the Old SP SOA (SPID B). 16. SP If the notification was received, the Old SP SOA (SPID B).	
16. SP If the notification was received, the Old SP SOA (SPID B). 16. SP If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B).	
16. SP If sent, the NPAC SMS receives the M-EVENT REPORT Confirmation in CMIP (or NOTR – 16. SP If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR –	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT from the Old SP SOA (SPID B).	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR –	
 subscriptionNewCurrentSP subscriptionOldSP- DueDate subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false) subscriptionOldSP- Authorization set to false) 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 – If the old SP SOA (SPID B). 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT from the Old SP SOA (SPID B).	
 In the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR –	
 subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false) subscriptionTimerType (if supported) subscriptionBusinessType (if supported) If the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – SP 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT from the Old SP SOA (SPID B).	
 subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false) subscriptionTimerType (if supported) subscriptionBusinessType (if supported) If the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – SP MIP (or NOTR – 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT from the Old SP SOA (SPID B).	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – NPAC If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR –	
 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 – Notification from the Old SP SOA (SPID B). 	
 subscriptionTimerType (if supported) subscriptionBusinessType (if supported) If the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). 	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification B). NPAC If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B).	
 subscriptionBusinessType (if supported) If the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). 	
 (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 – Notification from the Old SP SOA (SPID B). If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). 	
 If the setting is FALSE, no notification is sent. If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). CMIP (or NOTR – 	
notification is sent. NPAC 16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B).	
16. SP If the notification was received, the Old SP SOA (SPID B) issues an M-EVENT-REPORT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B). If sent, the NPAC SMS receives the M-EVENT Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B).	
Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR –Confirmation in CMIP (or NOTR – Notification from the Old SP SOA (SPID B).	
EVENT-REPORT Confirmation in CMIP (or NOTR –from the Old SP SOA (SPID B).	-REPORT
EVENT-REPORT Confirmation in CMIP (or NOTR –from the Old SP SOA (SPID B).	
CMIP (or NOTR –	<u>,</u> ,
Touriedulonicopiy in ZiviL) to the	
NPAC SMS.	
17. NPAC Once the final Concurrence Window SP New SP SOA receives the M-EVENT-REPORT	(s) in CMIP (or
has expired the NPAC SMS issues VNFN – SvNewSpFinalCreateWindowExpiration	
an M-EVENT-REPORT in XML) from the NPAC SMS according to the	
subscriptionVersionRangeNewSP- Final Create Window Expiration Notification In	onNotification
	onNotification setting of their
FinalCreateWindowExpiration	onNotification setting of their
notification in CMIP (or VNFN – SyNewSpEinelCreateWindowExpir	onNotification setting of their
SvNewSpFinalCreateWindowExpir	onNotification setting of their
ationNotification in XML) to the	onNotification setting of their
New SP SOA (SPID A) according	onNotification setting of their
to their Final Create Window	onNotification setting of their
Expiration Notification Indicator	onNotification setting of their
setting	onNotification setting of their
Release 3.4. <u>68</u> : © 1999-2014 <u>5</u> , 2013 -Neustar, Inc. November 30December 31, 201 3	onNotification setting of their

		 If the setting is TRUE, they will receive the M-EVENT-REPORT subscription VersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP subscriptionOldSP-DueDate subscriptionOldSP-Authorization subscriptionOldSP-Authorization subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionOldSP-AuthorizationTimeStamp subscriptionOldSP-Authorization set to false) subscriptionOldSP-Authorization set to false) subscriptionTimeType (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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

Test Case Number:	2.5	SUT Priority:	SOA	С			
			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	e notifications according	ly. – Success				

В. 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

PREREQUISITE C.

IKEREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for SPID A
Setup:	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	Test Step	NPAC	Expected Result
	or SP		or SP	
1.	SP	 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. 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.
	Release	3.4. <u>68</u> : © 1999-201 <u>+5, 2013-</u> Neustar, Iı	nc.	November 30December 31, 20135

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).
5		ation 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 • subscriptionNewSI • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP-DueDate • subscriptionNewSP- CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionNewSPMediumTim er indicator (if supported)		
4.	NPAC	SPID A indicating the subscription versions were successfully created. NPAC SMS issues an M-EVENT- REPORT subscriptionVersionRangeObjectCre	SP	the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreateTimeStamp were set appropriately. Old SP SOA (SPID B) receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or NCRR – NewSpCreateReply in XML) to the	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,
2.	NPAC	NewSpCreateRequest in XML) to the NPAC SMS care of SPID A's SOA association. 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.
		Create in CMIP (or NCRQ –		

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 – Optiona 1	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 – Conditi onal	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 subscription/VersionRangeOld 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 subscriptionNewSP subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionTimeType (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 subscription VersionRangeOldSP- FinalConcurrenceWindowExpiratio n notification in CMIP (or VOFN – SvOldSpFinalConcurrenceWindow ExpirationNotification 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 – Optiona l	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 – Conditi onal	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

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

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			r	
2.	NPAC	 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. 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 	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
		TN in the request.		
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	 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. 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. 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.

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		sAttributeValueChange		
		notification in CMIP (or VATN		
		_		
		SvAttributeValueChangeNotific		
		ation in XML) for the first set		
		of 500 TNs and a second M-		
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		SvAttributeValueChangeNotific		
		ation 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		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for each TN in		
		the range of 1000 indicating the		
7.	GD	status is 'active'.	NDAG	
/.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS.		
8.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT notifications in
		REPORT to the New SP SOA based		CMIP (or VATN - SvAttributeValueChangeNotification in
		on their Customer TN Range		XML) from the NPAC SMS.
		Notification Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues one M-		
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		_		
		SvAttributeValueChangeNotific		
		ation in XML) to the New SP		
		SOA for the first set of 500		
		TNs and a second M-EVENT-		
		REPORT		
		subscriptionVersionRangeStatu		
1			1	

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		 sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib 		
		uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription versions exist with an empty Failed SP List. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditi onal	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.

Test Case Number:	2.7	SUT Priority:	SOA	С			
			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 proce	ss 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 da	ta. – 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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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.
	 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	 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.

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		 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	 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. All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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 sAttributeValueChange 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.

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			I.	
7.	SP	 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for each TN in the range of 200 indicating the status is 'active'. Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.		CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – Optiona l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription versions exist with an empty Failed SP List. On the LSMS, the subscription versions exist with a status of 'active'.
12.	SP – Conditi onal	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.

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November 30December 31, 20135

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

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

Draw and the Test	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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	Create one Inter-Service Provider subscription version with SV Type and Optional Data
Setup:	elements configured as the Service Provider under test supports them and verify it is ready for
	activation.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using the SOA, New SP Personnel submit a request to the NPAC to activate a single Inter-Service Provider subscription version. 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	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 subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for the TN. NPAC SMS issues an M-ACTION Response in CMIP (or ACTR –	NPAC SP	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	ActivateReply in XML) to the New SP SOA. NPAC SMS issues an M-SET Request to itself to set the subscription version status to	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for the TN. NPAC SMS issues an M-CREATE	SP	1. All LSMSs in the region accepting downloads for this
		Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	51	 All LSMSs in the region accepting dowinoads for this NPA-NXX receive the M-CREATE Request in CMIP (or SVCD – SvCreateDownload in XML) and verify that the request is valid. All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChangeNotific ation 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.

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				1
		EVENT-REPORT subscriptionVersionStatusAttrib		
		uteValueChange notification in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for the TN		
7.	SP	indicating the status is 'active'. Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
8.	NDAC	XML) to the NPAC SMS.	SD	New OD COA measing the M EVENT DEDODT in CMID (an
0.	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		the NPAC SMS.
		Notification Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues one M- EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		– SvAttributeValueChangeNotific		
		ation in XML) to the New SP		
		SOA for the TN that contains		
		the following attributes:		
		• start TN		
		end TNstart SVID		
		 start SVID end SVID. 		
		 subscriptionVersionStatus 		
		= 'active'		
		• If the setting is FALSE, the		
		NPAC SMS issues an M- EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for the TN that indicates the status is 'active':		
9.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) for the TN.
		NOTR – NotificationReply in		
		XML) to the NPAC SMS for the TN.		
10.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'active' with an
		for the subscription version		empty Failed SP List.
		activated in this test case.		
11.	SP	Via their SOA &/or LSMS, SP	SP	1. On the SOA, the subscription version exists with an empty
		Personnel perform a local query for the subscription version activated		Failed SP List.On the LSMS, the subscription version exists with a status
		during this test case.		of 'active' and SV Type and Optional Data element values
	·	0		

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November 30 December 31, 20135

				as they support them.
12.	SP – Conditi onal	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.

Test Case Number:	2.9	SUT Priority:	SOA	С			
			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 prer	equisite SV create proces	ss 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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
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	<i>a</i> .p.			
1.	SP	 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. 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	 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. All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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.

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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for each TN in the range of 500 indicating the status is 'active'. Old SP SOA issues M-EVENT- REPORT Confirmations in CMIP (or NOTR – NotificationRenly in 	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
· · · · · · · · · · · · · · · · · · ·		or oua.
NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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.
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).
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.
Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription version exists with an empty Failed SP List. On the LSMS, the subscription version exists with a status of 'active'.
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.
	sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for each TN in the range of 500 indicating the status is 'active'. Old SP SOA issues M-EVENT- REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttri ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttri ibuteValueChange 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' 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 Personnel perform a query for the range of subscription versions activated in this test case. Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case. New SP Personnel perform an NPAC SMS query for the	sAttribute ValueChange notification in CMIP (or VATN - SvAttribute ValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttribute ValueChangeNotific ation in XML) for each TN in the range of 500 indicating the status is 'active'. Old SP SOA issues M-EVENT- REPORT confirmations in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttri ibute ValueChange notification in CMIP (or VATN – SvAttribute ValueChangeNotific ation in XML) for each TN in the range of SO0 indicating the status is 'active'. Old SP SOA issues M-EVENT- REPORT confirmations in CMIP (or NOTR – Notification Reply in XML) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeStatusAttri ibute ValueChange notification in CMIP (or VATN – SvAttribute ValueChangeNotificatio n in XML) to the New SP SOA for the 500 TNs that contains the following attributes: • paired list of TNs and SVIDs • subscriptionVersionStatus = 'active' 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 Personnel perform a query for the range of subscription versions activated in this test case. Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case. New SP Personnel perform an NPAC SMS query for the

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November 30December 31, 20135

		during this test case.		
13.	NPAC	NPAC Personnel perform a full	NPAC	Using the Audit Results Log verify that no updates were made
		audit of LSMS for the TNs that		as a result of performing the audit. If updates were made, the
		were activated during this test case.		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	С			
			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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

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

			r	
		 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	 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. 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. 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). 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)

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November 30 December 31, 20135

	on their Customer TN Range	from the NPAC SMS according to their Customer TN Range
	Notification Indicator.	Notification Indicator.
	• If the setting is TRUE, the	
	NPAC SMS issues the	
	following messages:	
	1. An M-EVENT-REPORT	
	subscriptionVersionRangeStatu	
	sAttributeValueChange	
	notification in CMIP (or VATN	
	notification in civili (or VATIV	
	- SvAttributeValueChangeNotific	
	ation 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	
	subscriptionVersionRangeStatu	
	sAttributeValueChange	
	notification in CMIP (or VATN	
	notification in civili (or VATIV	
	- SvAttributeValueChangeNotific	
	ation in XML) for the next TN	
	(1025) that contains the	
	following attributes:	
	• start TN	
	• end TN	
	start SVID	
	• end SVID.	
	 subscriptionVersionStatus 	
	= 'partial-failed'	
	 subscriptionVersionFailedS 	
	P-List	
	3. An M-EVENT-REPORT	
	subscriptionVersionRangeStatu	
	sAttributeValueChange	
	notification in CMIP (or VATN	
	_	
	SvAttributeValueChangeNotific	
	ation 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 	
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			1	
		= 'active'		
		4. An M-EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		_		
		SvAttributeValueChangeNotific		
		ation in XML) for the next TN		
		(1071) that contains the		
		following attributes:		
		• start TN		
		• end TN		
		 start SVID 		
		• end SVID.		
		• subscriptionVersionStatus		
		= 'partial-failed'		
		• subscriptionVersionFailedS		
		P-List		
		5. An M-EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		_		
		SvAttributeValueChangeNotific		
		ation 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		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation 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-	NPAC	NDAC SMS receives the M EVENT DEDODT Confirmations
/.	ы		MPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations
		REPORT Confirmations in CMIP		in CMIP (or NOTR – NotificationReply in XML) from the Old
		(or NOTR – NotificationReply in		SP SOA.

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November 30December 31, 20135

		XML) to the NPAC SMS.		
8.	NPAC	 NPAC SMS issues the following notifications to the New SP SOA: An M-EVENT-REPORT subscriptionVersionRangeStatu sAttribute ValueChange notification in CMIP (or VATN SvAttribute ValueChangeNotific ation 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' An M-EVENT-REPORT subscriptionVersionRangeStatu sAttribute ValueChange in CMIP (or VATN – SvAttribute Silve) start SVID end TN start SVID end SVID. subscriptionVersionStatus = 'partial-failed' subscriptionVersionFailedS P-List An M-EVENT-REPORT subscriptionVersionRangeStatu sAttribute ValueChange other SVID. subscriptionVersionFailedS P-List An M-EVENT-REPORT subscriptionVersionFailedS P-List An M-EVENT-REPORT subscriptionVersionRangeStatu sAttribute ValueChange notification in CMIP (or VATN – SvAttribute ValueChange other SVID (or NATN – Start SVID (or NAT	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 subscription VersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for 1 TN (1071) that contains the following attributes: start TN end TN start SVID end SVID. subscriptionVersionStatus = 'partial-failed' subscriptionVersionFailedS P-List 5. An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the range of 28 TNs (1072-1099) that contains the following attributes: start TN end TN start SVID end SVID. subscriptionVersionStatus 		
9.	SD	= 'active'	NDAC	NDAC SMS marine the M EVENT DEDORT Configuration
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).
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions.	NPAC	 Subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). Subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).
11.	SP – Optiona l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, subscription version exists with an empty Failed SP List for 98 TNs (1000-1024, 1026-1070 and 1072-1099). On the SOA, subscription versions exist with a Failed SP List for 2 TNs (1025 and 1071). On the LSMS, subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072- 1099).

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

B. **REFERENCES**

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

C. PREREQUISITE

IKEREQUISITE	
Prerequisite Test	NANC 179-4
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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	Verify that 200 consecutive subscription versions exist with a status of 'active'. All 200 TNs
Setup:	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	 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. 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.

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			1	
		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	SP	New SP SOA receives the M-ACTION Response in CMIP (or
		Response in CMIP (or MODR –		MODR – ModifyReply in XML) from the NPAC SMS.
		ModifyReply in XML) to the New		
		SP SOA.		
4.	NPAC	NPAC SMS issues an M-SET	SP	1. All LSMSs in the region accepting downloads for this
		subscriptionVersion in CMIP (or		NPA-NXX receive the M-SET Request in CMIP (or
		SVMD – SvModifyDownload in		SVMD – SvModifyDownload in XML) and verify that the
		XML) to all LSMSs in the region		request is valid.
		accepting downloads for this NPA-		2. All LSMSs in the region issue an M-SET Response
		NXX.		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	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC
		Request subscriptionVersionNPAC		from itself and issues an M-SET Response to itself.
		to itself to set the subscription		
		version status to 'active' for each		
-		TN in the request.		
6.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA.		VATN – SvAttributeValueChangeNotification in XML) from
		• If their TN Range Notification		the NPAC SMS.
		Indicator is set to TRUE,		
		NPAC SMS issues a		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		- SvAttributeValueChangeNotific		
		ation in XML) to the New SP		
		SOA for the range of 200 TNs		
		that contains the following		
		attributes:		
		 start TN 		
		end TN		
		 end TN start SVID 		
		 start SVID end SVID. 		
		 subscriptionVersionStatus active' 		
		• If their TN Range Notification Indicator is set to FALSE,		
		NPAC SMS issues a		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for each TN in		
		the range setting the status to		
		'active' to the New SP SOA.		
	1			

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

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:	 Verify that the New SP Customer TN Range Notification Indicator is set to their production value. Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider. Verify that a subscription version exists with a status of 'active' for the New SP. 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	 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.

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		 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 		
		 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	 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. All LSMSs in the region issue an M-SET Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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 subscriptionVersionRangeStatusAttr ibuteValueChange notification in	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

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

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	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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	Verify that a range of 10 'active' Inter-Service Provider subscription versions with consecutive
Setup:	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	 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. 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.

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	_			
		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	SP	New SP SOA receives the M-ACTION Response in CMIP (or
		Response in CMIP (or MODR –		MODR – ModifyReply in XML) from the NPAC SMS.
		ModifyReply in XML) to the New		
		SP SOA.		
4.	NPAC	NPAC SMS issues an M-SET	SP	1. All LSMSs in the region accepting downloads for this
		subscriptionVersion in CMIP (or		NPA-NXX receive the M-SET Request in CMIP (or
		SVMD – SvModifyDownload in		SVMD – SvModifyDownload in XML) and verify that the
		XML) to all LSMSs in the region		request is valid.
		accepting downloads for this NPA-		2. NPAC SMS retries any LSMS that has not responded.
		NXX.		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	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC
		Request subscriptionVersionNPAC		from itself and issues an M-SET Response to itself.
		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		
-	100.0	LSMS(s) that did not respond.		
6.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA based		VATN – SvAttributeValueChangeNotification in XML) from
		on their TN Range Notification		the NPAC SMS.
		Indicator.		
		• If the setting is TRUE, NPAC		
		SMS issues a		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		- SvAttributeValueChangeNotific		
		ation in XML) to the New SP		
		SOA that contains the following		
		attributes:		
		start TN		
		end TN		
		end TNstart SVID		
		 start SVID end SVID. 		
		 subscriptionVersionStatus active' 		
		subscriptionVersionFailedS P-List		
		• If the setting is FALSE, NPAC		
		SMS issues a		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for each TN in		
		the range, to the New SP SOA		
	· · · · · · · · · · · · · · · · · · ·			

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7.	SP	indicating the status is 'active' and includes a subscriptionVersionFailedSP- List. New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
	51	REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	in ne	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 – Optiona l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version modified during this test case.	SP	 On the SOA, the subscription version exists with a status of 'active' and a Failed SP List. On the LSMS, the subscription version exists with a status of 'active'.
10.	SP – Conditi onal	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. <u>TEST IDENTITY</u>

Test Case Number:	2.14	SUT Priority:	SOA	С		
			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 Succe	ess			

B. **REFERENCES**

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

C. PREREQUISITE

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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. 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	NDAC	NDAC CMC 1	NDAC	NDAC CMC and the M CET of the state of NDAC
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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 	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 subscriptionVersionRangeAttribute ValueChange 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.

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		 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 – Optiona 1	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 – Conditi onal	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.

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

TREADQUIDITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicator is set to their production
Setup:	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	Verify that a subscription version exists with a status of 'pending'.
Setup:	

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

3.	NPAC	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. 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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – SvAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChange notification in CMIP (or VATN – 	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.

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		subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the TN that contains the following attributes: • start TN • end TN • start SVID • subscriptionOldSP- DueDate • If the setting is FALSE, the NPAC SMS issues one M- EVENT REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the TN containing the subscriptionOldSP-DueDate		
7.	SP	and the SVID. 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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

Test Case Number:	2.16	SUT Priority:	SOA	R
			LSMS	N/A
Objective:	SOA – Service Provider Personnel perform an imm SVs. Their Customer TN Range Notification Indica pre-requisite SV create process the range was subm the same feature data and, the SVIDs are contiguou disconnect request is submitted as one range and re the SVIDs. – Success		cator is set to their prod mitted as two smaller ra bus within each range cr	uction value. In the nge creates, each with eate. The immediate

В. 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

PREREOUISITE C.

IKEREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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.
L L	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	 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. 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.
	Release 3	3.4. <u>68</u> : © 1999-201 1<u>5</u>, 2013-Neustar, Ir	nc.	November 30December 31, 20135

		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 subscriptionCustomerDisconnectDat e 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 subscription VersionRangeDonorSP- CustomerDisconnectDatenotific ation in CMIP (or VCDN – SvCustomerDisconnectDateNot ification in XML) for the 500 TNs that contains the following attributes: paired list of TNs and SVIDs subscriptionVersionCusto merDisconnectDate If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionDonorSP- CustomerDisconnectDate If the setting in CMIP (or VCDN – SvCustomerDisconnectDate 	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. N	PAC	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	 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. 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. 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.
	PAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTi meStamp 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.
	PAC	 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 subscription VersionRangeStatu sAttribute ValueChange in CMIP (or VATN – SvAttribute ValueChangeNotific ation in XML) to the New SP SOA for the 500 TNs that contains the following attributes: paired list of TNs and SVIDs subscription VersionStatus = 'old' If the setting is FALSE, NPAC SMS issues a subscription VersionStatusAttrib ute ValueChange notification in CMIP (or VATN – SvAttribute ValueChangeNotific ation 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 – SvAttribute ValueChangeNotification in XML) from the NPAC SMS.
9. SI	ų	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 – Optiona 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions are not found or they exist with a status of 'old'. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditi onal	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.

Test Case Number:	2.17	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Donor Service Pr	rovider receives snapbac	k notification upon imme	ediate 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			The immediate
	disconnect results in one	notification to the Dono	r Service Provider. – Su	ccess

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

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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 – SvCustomerDisconnectDateNotifica tion 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 subscriptionVersionCustomerDi sconnectDate subscriptionEffectiveReleaseDa te 	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	 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. 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. 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 subscriptionDisconnectCompleteTi meStamp 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 VersionRangeStatusAttributeVa lueChange 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona l	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.

Test Case Number:	2.18	SUT Priority:	SOA	С		
			LSMS	N/A		
Objective:	SOA – Current Service I	Provider Personnel performant	rm an immediate disconr	nect for a range of 10		
	'active' subscription ver	sions. Their Customer Th	N Range Notification Ind	licator 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 range					
	are contiguous. The disconnect request is submitted as one range. The disconnect request result					
	in one notification becau	se the TNs and SVIDs and	re both contiguous and a	ll TNs in the range		
	have the same feature da	ta. – 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	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-
Setup:	ported TNs, with one set of DPC/SSN data.
	 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. 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	 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. 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 –	
Request in CMIP (or DISO –	
DisconnectRequest in XML) to	
the NPAC SMS and specifies	
the range of TNs.	
2. NPAC NPAC SMS locates the respective NPAC NPAC SMS receives the	e M-SET subscriptionVersionNPAC
subscription versions, and issues an from itself and issues an	M-SET Response to itself.
M-SET Request	
subscriptionVersionNPAC to itself	
to set the subscription version status	
to 'disconnect-pending' and the	
subscriptionCustomerDisconnectDat	
e according to the disconnect	
request for each TN in the range.	
	es the M-ACTION Response in CMIP
	ceply in XML) from the NPAC SMS.
DisconnectReply in XML) to the	· · · ·
Current SP SOA.	
	e M-SET Request and issues an M-SET
Request to itself to set the Response to itself.	
subscription version status to	
'sending' and set the	
subscriptionModifiedTimeStamp	
and	
subscriptionBroadcastTimeStamp to	
the current date and time for all TNs	
in the range.	
	the M-EVENT-REPORT in CMIP (or
	sconnectDateNotification in XML)
	cording to their Customer TN Range
	nd issues an M-EVENT-REPORT
	or NOTR – NotificationReply in XML)
NPAC SMS issues an M-	
EVENT-REPORT	
subscriptionVersionRangeDono	
rSP-CustomerDisconnectDate	
notification in CMIP (or VCDN	
- SvCustomerDisconnectDateNot	
ification 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	
subscriptionVersionCusto	
merDisconnectDate	
subscriptionEffectiveRelea	
seDate	
• If the setting is FALSE, the	
NPAC SMS issues an M-	

		EVENT-REPORT		
		subscriptionVersionDonorSP- CustomerDisconnectDate notification in CMIP (or VCDN		
		SvCustomerDisconnectDateNot ification 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	 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. All LSMSs in the region issue an M-DELETE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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 subscriptionDisconnectCompleteTi meStamp 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 subscriptionVersionRangeStatusAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) for the 10 TNs.
		NPAC SMS for the range of 10 TNs.		

		versions activated in this test case.		
11.	SP – Optiona l	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. On the LSMS, the subscription versions do not exist.
12.	SP – Conditi onal	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.

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 Rang	ge 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**

TREREQUISITE	
Prerequisite Test	
-	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to their production
Setup:	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	Verify that a subscription version exists with a status of 'active'
Setup:	

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 submit a request to the NPAC SMS to disconnect a single active subscription version. Specify the TN described in the prerequisites above. 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 subscriptionCustomerDisconnectDat e 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 subscription VersionRangeDonorSP- CustomerDisconnectDatenotific ation in CMIP (or VCDN – SvCustomerDisconnectDateNot ification in XML) to the Donor SP SOA for the single TN that contains the following attributes: start TN end TN start SVID end SVID subscriptionVersionCusto merDisconnectDate subscriptionEffectiveRelea seDate If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionDonorSP- CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNot ification 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	 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. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system as specified in the requests from the NPAC SMS.

November 30 December 31, 20135

7.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the subscription version status to 'old' and set the		Response to itself.
		subscriptionModifiedTimeStamp		
		and subscriptionDisconnectCompleteTi		
		meStamp to the current date and		
		time for the single TNs.		
8.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA based on their TN Range Notification		VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
		Indicator.		the NPAC SMS.
		• If the setting is TRUE, NPAC		
		SMS issues a		
		subscriptionVersionRangeStatu		
		sAttributeValueChange notification in CMIP (or VATN		
		SvAttributeValueChangeNotific		
		ation 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		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) indicating the status is now 'old' for the TN.		
9.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML).
		NOTR – NotificationReply in		
		XML) to the NPAC SMS for the single TN.		
10.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'old'.
	-	for the subscription version		
		disconnected in this test case.		
11.	SP –	Via their SOA &/or LSMS, New SP	SP	1. On the SOA, the subscription version is not found or it
	Optiona 1	Personnel perform a local query for the subscription version		exists with a status of 'old'.
	-	the subscription version disconnected during this test case.		2. On the LSMS, the subscription version no longer exists.
12.	SP –	New SP Personnel perform an	SP	The subscription version exists with a status of 'old' on the
	Conditi	NPAC SMS query for the		NPAC SMS.
	onal	subscription version disconnected		

November 30December 31, 20135

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

Test Case Number:	2.20	SUT Priority:	SOA	С			
			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	e notifications according	ly. – 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	1. Verify that SPID A is a primary SPID.
Setup:	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	1. Create 5 individual Inter-Service Provider subscription versions for the New SP (SPID A)
Setup:	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	 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.

2.	NPAC	 A) association. 2. SPID A issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date. NPAC 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.
3.	NPAC	subscriptionVersionNPAC to itself to set the subscription versions Status to 'disconnect-pending' for the TNs. NPAC SMS issues an M-ACTION	SP	New SP SOA (SPID A) receives the M-ACTION Response in
		Response in CMIP (or DISR – DisconnectReply in XML) to the New SP SOA (SPID A).	~ -	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 subscriptionCustomerDisconnectDat e 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 – SvCustomerDisconnectDateNotifica tion 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 subscriptionVersionCustomerDi sconnectDate subscriptionEffectiveReleaseDa te 	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	 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. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system

				as specified in the 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 subscriptionDisconnectCompleteTi meStamp 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 subscriptionVersionRangeStatusAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – Optiona 1	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions are not found or they exist with a status of 'old'. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditi onal	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. <u>TEST IDENTITY</u>

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 according	ngly. – 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

T REREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that SPID A is a primary SPID.
Setup:	2. Verify that SPID B is a secondary SPID to SPID A.
	 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	1. Create a range of 2 Inter-Service Provider subscription versions for the New SP (SPID B)
Setup:	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	 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).

2.	NPAC	 A) association. 2. SPID B issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS care of SPID A's SOA association and specifies the TNs and the current date. NPAC 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 set the subscription versions Status to 'disconnect-pending' for the TNs.		
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 subscriptionCustomerDisconnectDat e 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 – SvCustomerDisconnectDateNo tification 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 subscriptionVersionCustom erDisconnectDate 	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.
		• subscriptionEffectiveReleas		

* • eDate * If the subscription VersionDoorSP. CustomerDisconnectDate notification in XML to the Donor 5* NPAC * NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMLP (or SVDD - SVDeleteDownload in XML to the Proposition Version in CMLP (or SVDD - SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPAC NPAC SMS issues an M-DELETE Requests subscriptionVersion in CMP (or SVDD - SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. *	1		1	
 Requests subscriptionVersion in CMIP (or SVDD – SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. SMSs in the region accepting downloads for this NPA-NXX. All LSMSs in the region issue A-DELETE Responses in CMIP (or DNL – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delet on the local system as specified in the requests from the NPAC SMS. After each LSMS responds to the NPAC SMS. MPAC SMS issues an M-SET Request to itself or set the subscriptionDisconnectCompleteTi meStamp to the current date and time for the range of TNS. 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 subscription VersionRangeStatu sAttribute ValueChangeNotific ation 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 subscriptionVersionStatus 		SMS issues a subscription VersionDonorSP- CustomerDisconnectDate notification in CMIP (or VCDN – SvCustomerDisconnectDateNot ification in XML) to the Donor SP (SPID A) for each of the TNs in the range indicating the disconnect date.		
 In the observation of the subscription version status to 'old' and set the subscriptionDisconnectCompleteTi meStamp and subscriptionDisconnectCompleteTi meStamp to the current date and time for the range of TNS. 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChange notification in XML) to the New SP SOA (SPID B) for the range of 2 TNs that contains the following attributes: start SVID end TN subscriptionVersionStatus 	6. NPAC	Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting	SP	 NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system
 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChangeNotific ation 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 	7. SP	Request to itself to set the subscription version status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTi meStamp to the current date and	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
• If the setting is FALSE, NPAC	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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChangeNotific ation 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'	SP	CMIP (or VATN - SvAttributeValueChangeNotification in

		SMS issues a subscriptionVersionStatusAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotifi cation 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 – Optiona 1	Via their SOA &/or LSMS, New SP Personnel (SPID B) perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions are not found or they exist with a status of 'old'. On the LSMS, the subscription versions no longer exist.
12.	SP – Conditi onal	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. <u>TEST IDENTITY</u>

Test Case Number:	2.22	SUT Priority:	SOA	С			
			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	e notifications according	ly. – 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

IKEREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that SPID A is a primary SPID.
Setup:	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	1. Create a range of 3 Inter-Service Provider subscription versions for the New SP (SPID A)
Setup:	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 Test Step NPAC Expected Result			Expected Result
	or SP	Test Step	or SP	
1.	SP	 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).

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November 30December 31, 20135

		the request to the NPAC SMS		
2.		 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 subscriptionCustomerDisconnectDat e 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 – SvCustomerDisconnectDateNotifica tion 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	 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. All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version 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	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
		subscriptionDisconnectCompleteTi meStamp to the current date and time for the range of 6 TNs.		
8.	NPAC	NPAC SMS issues two M-EVENT- REPORT subscriptionVersionRangeStatusAttr ibuteValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – Optiona l	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription version disconnected during this test case.	SP	 On the SOA, the subscription version is not found or it exists with a status of 'old'. On the LSMS, the subscription version no longer exists.
12.	SP – Conditi onal	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.

Test Case Number:	2.23	SUT Priority:	SOA	С			
			LSMS	N/A			
Objective:	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 1000						
	'active' subscription ver	sions. Their Customer Th	N Range Notification Inc	licator 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 not	tification containing a lis	t of the SVIDs Succes	SS			

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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

			1	
2.	NDAC	 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 subscriptionEffectiveReleaseDa te set to tomorrow and specifies the range of TNs. 	NBAC	NDAC SMS manine the M SET subarriation Varian NDAC
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 subscriptionVersionRangeStatusAttr ibuteValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – Optiona l	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions either do not exist or they exist with a status of 'disconnect-pending'. On the LSMS, the subscription versions exist with a status of 'active'.
8.	SP – Conditi onal	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.
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Test Case Number:	2.24	SUT Priority:	SOA	С		
			LSMS	N/A		
Objective:	SOA – Old Service Prov	vider Personnel cancel a r	ange of 50 Inter-Service	Provider subscription		
	versions after both Servi	ce Providers have initiall	y concurred. Their Cust	omer TN Range		
	Notification Indicator is	set to TRUE. In the prere	equisite create process th	ne 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 result	s in one notification beca	ause the TNs and		
	SVIDs are both contiguo	ous and all TNs in the ran	ge have the same feature	e 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	T
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicators is set to TRUE.
Setup:	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	1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-
Setup:	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	 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.

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		 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 subscriptionVersionModifiedTimeSt amp 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 subscriptionVersionRangeStatusAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 subscriptionVersionRangeStatu sAttributeValueChange 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.

r	1		1	
		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		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation 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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR - NotificationReply in XML) from the New
		NOTR – NotificationReply in		SP SOA.
		XML) to the NPAC SMS for the		
		range of 50 TNs.		
8.	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'cancel-
		for the range of subscription		pending'.
9.	SP –	versions cancelled in this test case.	SP	The subconintion complex suit with a state 0.6 1
9.	SP – Optiona	Via their SOA, Old SP Personnel	Sr	The subscription versions exist with a status of 'cancel-
	l	perform a local query for the subscription versions cancelled		pending'.
		during this test case.		
10.	SP –	Old SP Personnel perform an NPAC	SP	The subscription versions exist with a status of 'cancel-pending'
	Conditi	SMS query for the subscription	~	on the NPAC SMS.
	onal	versions cancelled during this test		
		case.		
11.	SP	1. Using the SOA, New Service	NPAC	NPAC SMS receives the M-ACTION
		Provider Personnel issue a		subscriptionVersionNewSP-CancellationAcknowledge in CMIP
		subscription version		(or Cancel Request in XML) from the New SP SOA.
		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		
12.	NPAC	specifying the range of TNs. NPAC SMS locates the respective	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC
12.	INI AC	subscription versions, and issues an	INI AC	from itself and issues an M-SET Response to itself.
		M-SET Request		from toon and issues an in-sign response to fisen.
		subscriptionVersionNPAC to itself		
		to set the subscription version status		
		to 'cancelled' and set the		
·				

		subscriptionCancellationTimeStamp and		
		subscriptionModifiedTimeStamp to		
		the current date and time for each		
		TN in the request.		
13.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION Response in CMIP (or
		Response in CMIP (or CANR –		CANR – CancelReply in XML) from the NPAC SMS.
		CancelReply in XML) to the New		
		SP SOA.		
14.	NPAC	NPAC SMS issues an M-EVENT-	SP	The Old SP SOA receives the M-EVENT-REPORT
		REPORT		subscriptionVersionRangeStatusAttributeValueChange
		subscriptionVersionRangeStatusAttr		notification in CMIP (or VATN –
		ibuteValueChange notification in		SvAttributeValueChangeNotification in XML) from the NPAC
		CMIP (or VATN –		SMS.
		SvAttributeValueChangeNotificatio		
		n 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'		
15.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT notification in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS for the set of 50 TNs.		
16.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT notification in CMIP (or
101	IN AC	REPORT to the New SP SOA based	51	VATN – SvAttributeValueChangeNotification in XML) from
		on their Indicator.		the NPAC SMS according to their Customer TN Range
		• If the setting is TRUE, the		Notification Indicator.
		NPAC SMS issues an M-		
		EVENT-REPORT		
	1	subscriptionVersionRangeStatu		
		sAttributeValueChange		
	1	notification in CMIP (or VATN		
		SvAttributeValueChangeNotific		
		ation in XML) for the range of 50 TNs that contains the		
		following attributes:		
		 start TN 		
		• end TN		
		start SVID		
	1	• end SVID		
	1	 subscriptionVersionStatus = 		
		'canceled'		
	1	• If the setting is FALSE, the		
	1	NPAC SMS issues an M-		
		EVENT-REPORT		
	1	subscriptionVersionStatusAttrib	1	

	-		1	
		uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona 1	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 – Conditi onal	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.

Test Case Number:	2.25	SUT Priority:	SOA	С		
			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	n. – 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

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicators is set to TRUE.
Setup:	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:	
Berup.	

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.

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		to 'cancel-pending' and sets the subscriptionVersionModifiedTimeSt amp 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 subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeStatusAttr ibuteValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n in XML) for the range of 10 TNs that contains the following attributes: start TN end 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 subscriptionVersionRangeCancellati onAcknowledgeRequest 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 – Optiona l	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 – Conditi onal	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.

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

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	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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.
	 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	
subscription Version Cancel	
Request in CMIP (or CANQ –	
CancelRequest in XML) to the	
NPAC SMS and specifies the	
range of TNs.	
	NPAC SMS receives the M-SET subscriptionVersionNPAC
subscription versions, and issues an fi	from itself and issues an M-SET Response to itself.
M-SET Request	
subscriptionVersionNPAC to itself	
to set the subscription version status	
to 'cancelled' and the	
subscriptionVersionModifiedTimeSt	
amp to the current date and time for	
each TN in the request.	
	New SP SOA receives the M-ACTION Response in CMIP (or
	CANR – CancelReply in XML) from the NPAC SMS.
· · · · · · · · · · · · · · · · · · ·	CAINE – Cancencepty in AML) from the NTAC SMS.
CancelReply in XML) to the New	
4. NPAC NPAC SMS issues M-EVENT- SP C	
	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
	VATN – SvAttributeValueChangeNotification in XML) from
<u> </u>	the NPAC SMS according to their Customer TN Range
	Notification Indicator.
• If the setting is TRUE, the	
NPAC SMS issues one M-	
EVENT-REPORTs	
subscriptionVersionRangeStatu	
sAttributeValueChange in	
CMIP (or VATN –	
SvAttributeValueChangeNotific	
ation 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	
subscriptionVersionStatusAttrib	
uteValueChange in CMIP (or	
VATN –	
SvAttributeValueChangeNotific	
otion in VML for each TNL:	
ation in XML) for each TN in	

		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 subscriptionVersionRangeStatusAttr ibuteValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – Optiona 1	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 – Conditi onal	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	1. Verify that the Customer TN Range Notification Indicator is set to their production value
Setup:	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	1. Verify that a subscription version exists with a status of 'pending'.
Setup:	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	 Using the SOA, Old SP Personnel submit a cancel request to the NPAC for the TN described in the prerequisites above. 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	SP	Old SP SOA receives the M-ACTION
		subscriptionVersionCancel Response in CMIP (or CANR – CancelReply in XML) to the Old SP SOA indicating the subscription version was successfully canceled.		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 subscriptionVersionRangeStatu sValueAttributeChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeStatu sAttributeValueChange 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 	
paired list of TNs and SVIDs	
SVIDs	
• subscriptionVersionStatus = 'cancelled'	
• If the setting is FALSE the	
NPAC SMS issues a M-	
EVENT-REPORT	
subscriptionVersionStatusAttri	
buteValueChange notification	
in CMIP (or VATN –	
SvAttributeValueChangeNotifi	
cation in XML) with	
subscriptionVersionStatus =	
canceled for the single TN.	
7. SP New SP SOA issues M-EVENT- NPAC NPAC SMS receives the M-EVENT-REPORT Con	
REPORT Confirmations in CMIP in CMIP (or NOTR – NotificationReply in XML) from the second secon	om the New
(or NOTR – NotificationReply in SP SOA.	
XML) indicating it successfully	
received the M-EVENT-REPORT	
from the NPAC SMS.	
8. NPAC NPAC Personnel perform a query NPAC The subscription version exists with a status of 'can	celed'.
for the subscription version canceled	
in this test case.	
9. SP – Via their SOA, Old SP Personnel SP The subscription version does not exist or exists with	h a status of
Optiona perform a local query for the 'canceled'.	
¹ subscription version canceled during	
this test case.	
10. SP – Old SP Personnel perform an NPAC SP The subscription version exists with a status of 'can	celed' on
ConditiSMS query for the subscriptionthe NPAC SMS.	
onal version canceled during this test	
case.	

A. <u>TEST IDENTITY</u>

Test Case Number:	2.28	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Old Service Prov subscription versions to TN Range Notification I process the range is subr and have the same featur The modify request is su TNs and SVIDs – Succe	change the authorization ndicator is set to their pr nitted as two smaller ran e data. Ensure that the S bmitted as one range and	flag from TRUE to FAL oduction value. In the pr ges. The TNs used in the VIDs for the TNs in the	SE. Their Customer erequisite create ranges are contiguous ranges are contiguous.

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**

Promo genicito Togt	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicator is set to their production
Setup:	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	1. Create one range of 50 Inter-Service Provider subscription versions using consecutive non-
Setup:	ported TNs, with one set of DPC/SSN data.
	 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. No if the table SVIDe provider the first for the
<u> </u>	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	 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.

	1	•	
2. NPAC	 TNs described in the pre-requisites above. 2. The SOA issues an M-ACTION subscriptionVersionModifyReq uest in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS for the range of TNs to set the subscriptionOldSP-Authorization to FALSE. NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself 	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
	to 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 TN Range Notification Indicator. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionStatus = 'conflict' subscriptionStatusChangeCa useCode If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAt tributeValueChange 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.

	1	- · · ·		
		subscription version status		
		of 'conflict' and a		
		subscriptionStatusCauseCod		
		e for each TN in the range (100).		
5.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
5.	51	REPORT Confirmation in CMIP	IN AC	CMIP (not available over the XML interface) from the Old SP
		(not available over the XML		SOA.
		interface) to the NPAC SMS.		
6.	NPAC	NPAC SMS issues an M-EVENT	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (not
		REPORT to the New SP SOA based		available over the XML interface) from the NPAC SMS
		on their Customer TN Range		according to their Customer TN Range Notification Indicator.
		Notification Indicator.		6 6
		• If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (not		
		available over the XML		
		interface but included in step 10		
		below) that contains the		
		following attributes:		
		start TNend TN		
		 end TN start SVID 		
		 end SVID 		
		• subscription Version Status = 'conflict'		
		 subscriptionStatusChangeCa 		
		useCode		
		• If the setting is FALSE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange 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		
7.	SP	for each TN in the range (100). New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
/.	SF	REPORT Confirmation in CMIP	INFAC	from the New SP SOA.
		(not available over the XML		nom me new Sr SOA.
		interface) to the NPAC SMS.		
8.	NPAC	NPAC SMS issues one M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Old SP SOA based		VATN – SvAttributeValueChangeNotification in XML) from
		on their TN Range Notification		the NPAC SMS.
		Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues one M-		

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November 30December 31, 20135

		-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange in CMIP (or		
		VATN –		
		SvAttributeValueChangeNotific		
		ation 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)		
		subscriptionStatusChangeCa		
		useCode (XML only)		
		• If the setting is FALSE, the NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange in CMIP		
		(or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) with		
		subscriptionOldSP-		
		Authorization = false for each		
		TN in the range.		
9.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML).
		NOTR – NotificationReply in		
		XML) to the NPAC SMS for the		
		range of 100 TNs.		
10.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA based		VATN – SvAttributeValueChangeNotification in XML) from
		on their Customer TN Range		the NPAC SMS according to their Customer TN Range
		Notification Indicator.		Notification Indicator.
		• If the setting is TRUE, the		
		• If the setting is TKOE, the NPAC SMS issues one M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttr		
		ibuteValueChange notification		
		in CMIP (or VATN –		
		SvAttributeValueChangeNotifi		
		cation in XML) that contains		
		the following attributes:		
		• start TN		
		• end TN		
		start SVID		
		• end SVID		
		 subscriptionOldSP- 		
		authorization = 'false'		
L		•		
	Release	3.4. <mark>68</mark> : © 1999-201 <mark>45</mark> , 2013 -Neustar, Ir	nc.	November 30December 31, 20135

Conditi Onal	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	Sr	The subscription versions exist with a status of 'conflict' on the NPAC SMS.
13. SP – Optiona 1 14. SP –	Via their SOA, Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP SP	The subscription versions exist with status of 'conflict'.
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'.
11. SP	 subscriptionVersionStatus = 'conflict' (XML only) subscriptionStatusChangeCa useCode (XML only) If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotifi cation in XML) with subscriptionOldSP- Authorization = false for each TN in the range. 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.

A. <u>TEST IDENTITY</u>

Test Case Number:	2.29	SUT Priority:	SOA	С			
			LSMS	N/A			
Objective:	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provide						
	subscription versions to	change the authorization	flag from TRUE to FAL	SE. Their Customer			
	TN Range Notification I	ndicator is set to TRUE.	In the prerequisite create	e 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	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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:	 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. 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. 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	 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.

r			1	
2.	NPAC	 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. The SOA issues an M-ACTION subscriptionVersionModifyReq uest in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS for the range of TNs to set the subscriptionOldSP- Authorization to FALSE. 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 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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' • subscriptionStatusChangeCa useCode	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 subscriptionVersionRangeSt atusAttributeValueChange 	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' subscriptionStatusChangeCa useCode If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the XML interface but included in step 10 below) with 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 subscriptionVersionRangeAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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) subscriptionStatusChangeCause Code (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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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) subscriptionStatusChangeCa useCode (XML only) If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for each TN in 		
11.	SP	the range of 1000. 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 – Optiona 1	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 – Conditi onal	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.

TEST IDENTITY A.

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 Indic	ator is set to their produc	ction value. – Success					

REFERENCES B.

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:	 Verify that the Old SP Customer TN Range Notification Indicator is set to their production value. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider. 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. 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	 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. 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.
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subscriptionVersionNPAC to itself to set the subscriptionOldSP- Authorization attribute to FALSE and set the subscriptionModifiedTimeStamp to the current date and time. SP Old SP SOA receives the M-ACTION Response in CM MODR - ModifyReply in XML) form the NPAC SMS. 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 CMI 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. SP Old SP SOA receives the M-EVENT-REPORT in CMII available over the XML interface) from the NPAC SMS subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (not available over the XML interface) to the Old SP SOA that contains the following attributes: SP Old SP SOA receives the M-EVENT-REPORT in CMII available over the XML interface) from the NPAC SMS on their Customer TN Range notification in Indicator. • If their TN Range Notification introduces: • start TN • end SVID • subscriptionVersionStatus = 'conflict' • • If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the • NPAC SMS issues a	
 Authorization atribute to FALSE and set the subscriptionModifiedTimeStamp to the current date and time. NPAC NPAC SMS issues an M-ACTION Response in CMI (Or MODR - ModifyReply in XML) from the NPAC SMS. MODR - ModifyReply in XML) to the Old SP SOA. NPAC NPAC SMS issues an M-EVENT REPORT to the Old SP SOA acceives the M-EVENT-REPORT in CMI Report to the Old SP SOA. NPAC NPAC SMS issues an M-EVENT (Fifther TN Range Notification Indicator is set to TRUE, NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (not available over the XML interface) to the Old SP SOA that contains the following attributes: start TN end TN start TN end SVID subscriptionVersionStatus fif their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusChangeC auseCode If their TN Range Notification Indicator is to to FALSE, NPAC SMS issues a subscriptionVersionStatusChangeC auseCode 	
and set the subscriptionModifiedTimeStamp to the current date and time. 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 CMI MODR - ModifyReply in XML) for 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. SP Old SP SOA receives the M-EVENT-REPORT in CMII available over the XML interface) from the NPAC SMS NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (not available over the XML interface) to the Old SP SOA that contains the following attributes: SP start TN e end TN start SVID start SVID • end TN • subscriptionStatusChangeC auseCode • If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the SP	
subscriptionModifiedTimeStamp to the current date and time. Image: 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 CMI 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. SP Old SP SOA receives the M-EVENT-REPORT in CMII available over the XML interface) from the NPAC SMS on their Customer TN Range Notification. • If their TN Range Notification Indicator is set to TRUE, NPAC SMS issues a subscriptionVersionRangeStatu sattribute ValueChange notification in CMIP (not available over the XML interface) to the Old SP SOA that contains the following attributes: • start TN • end TN • subscriptionVersionStatus = 'conflict' • subscriptionStatusChangeC auseCode • If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the	
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NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange 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 • available over start SVID • available over start SVID • available over the	
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 sAttributeValueChange 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' subscriptionStatusChangeC auseCode If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the 	
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 interface) to the Old SP SOA that contains the following attributes: start TN end TN start SVID end SVID subscriptionVersionStatus = 'conflict' subscriptionStatusChangeC auseCode If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the 	
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 start TN end TN start SVID end SVID subscriptionVersionStatus 'conflict' subscriptionStatusChangeC auseCode If their TN Range Notification Indicator is set to FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the 	
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NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the	
subscriptionVersionStatusAttrib uteValueChange notification in CMIP (not available over the	
uteValueChange notification in CMIP (not available over the	
CMIP (not available over the	
XML interface) indicating the	
status is now 'conflict' and a	
subscriptionStatusChangeCause	
Code for the TN to the Old SP	
SOA.	
5. SP Old SP SOA issues an M-EVENT- NPAC NPAC SMS receives the M-EVENT-REPORT Confirm	ation ir
REPORT Confirmation in CMIP CMIP (not available over the XML interface) from the C	Old SP
(not available over the XML SOA.	
interface) to the NPAC SMS.	
6. NPAC NPAC SMS issues an M-EVENT SP New SP SOA receives the M-EVENT-REPORT in CM	P (not
REPORT to the New SP SOA based available over the XML interface) from the NPAC SMS	
on their Customer TN Range	
Notification Indicator.	
• If the setting is TRUE, the	
NPAC SMS issues an M-	

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November 30December 31, 20135

		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (not		
		available over the XML		
		interface) that contains the		
		following attributes:		
		• start TN		
		• end TN		
		• start SVID		
		• end SVID		
		• subscriptionVersionStatus		
		= 'conflict'		
		subscriptionStatusChangeC auseCode		
		• If the setting is FALSE, the		
		NPAC SMS issues an M- EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange 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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP		CMIP (not available over the XML interface) from the New SP
		(not available over the XML		SOA.
		interface) to the NPAC SMS.		
8.	NPAC	NNPAC SMS issues an M-EVENT	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Old SP SOA based		VATN – SvAttributeValueChangeNotification in XML) from
		on their Customer TN Range		the NPAC SMS.
		Notification Indicator.		
		• If their TN Range Notification		
		Indicator is set to TRUE,		
		NPAC SMS issues a		
		subscriptionVersionRangeAttri		
		buteValueChange notification		
		in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation 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)		
		• subscriptionStatusChangeC		
		auseCode (XML Only)		
1				

		 If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN		
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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP- authorization = 'false' subscriptionVersionStatus = 'conflict' (XML Only) subscriptionStatusChangeC auseCode (XML Only) If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN - SvAttributeValueChange notification in CMIP (or VATN - 	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 – Optiona l	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 – Conditi onal	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. <u>TEST IDENTITY</u>

Test Case Number:	2.31	SUT Priority:	SOA	С				
			LSMS	N/A				
Objective:	SOA – Old Service Prov	vider Personnel take actio	on 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 ran	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 sar	ne feature data. – Succes	S					

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	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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
	 Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.
Prerequisite SP	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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. The SOA issues an M-ACTION subscription VersionOldSP- 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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 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.

D. TEST STEPS and EXPECTED RESULTS

		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 subscriptionVersionRangeStatu sAttributeValueChange 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=p ending' If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange 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 subscriptionVersionRangeAttribute ValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for each TN in the range with the 	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	subscriptionOldSP- Authorization set to TRUE. 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.
12.	NPAC	XML) to the NPAC SMS. 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 – Optiona l	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 – Conditi onal	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.	
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A. <u>TEST IDENTITY</u>

Test Case Number:	2.32	SUT Priority:	SOA	С			
			LSMS	N/A			
Objective:	SOA – Old Service Prov	rider Personnel take actio	on on a range of 10 'conf	lict' subscription			
	versions that he created,	to remove them from con	nflict. Their Customer T	N 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 not	tifications containing a li	st of the SVIDs Succe	ess			

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:	 Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 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.

Row # NPAC NPAC **Expected Result Test Step** or SP or SP SP 1. Using the SOA, Old SP NPAC NPAC SMS receives the M-ACTION Request in CMIP (or 1. RFCQ - RemoveFromConflictRequest in XML) from the Old Personnel submit a request to the NPAC SMS to 'remove SP SOA. from conflict' a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. The SOA issues an M-ACTION 2. subscriptionVersionOldSP-RemoveFromConflict Request in CMIP (or RFCQ -RemoveFromConflictRequest in XML) to the NPAC SMS for the range of TNs. 2. NPAC NPAC SMS locates the respective NPAC NPAC SMS receives the M-SET subscriptionVersionNPAC subscription versions, and issues an from itself and issues an M-SET Response to itself. 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. 3. NPAC SP NPAC SMS issues an M-ACTION Old SP SOA receives the M-ACTION Response in CMIP (or Response in CMIP (or RFCR -RFCR - RemoveFromConflictReply in XML) from the NPAC RemoveFromConflictReply in SMS. XML) to the Old SP SOA. SP 4. NPAC NPAC SMS issues one M-EVENT-Old SP SOA receives the M-EVENT-REPORT in CMIP (not REPORT available over the XML interface) from the NPAC SMS subscriptionVersionRangeStatusAttr containing a list of the SVIDs. ibuteValueChange 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' 5. SP Old SP SOA issues an M-EVENT-NPAC NPAC SMS receives the M-EVENT-REPORT Confirmation in **REPORT** Confirmation in CMIP CMIP (not available over the XML interface). (not available over the XML interface) to the NPAC SMS.

D. TEST STEPS and EXPECTED RESULTS

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 according to their Customer TN Range Notification Indicator.
		 EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 		
		 subscriptionVersionStatus = 'pending' If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT 		
		subscriptionVersionStatusAttrib uteValueChange 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		
7.	SP	^c pending'. New SP SOA issues 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 New SP SOA.
8.	NPAC	interface) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT subscriptionVersionRangeAttribute ValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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='pen ding' (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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – 	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.
		SvAttributeValueChangeNotific ation in XML) for each TN in the range of 10 with the subscriptionOldSP- Authorization set to TRUE.		
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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

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					

В. 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

PREREQUISITE C.

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to the production value for
Setup:	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	Verify that pending subscription versions exist for the range of 10 TNs to be activated and that
Setup:	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	 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). 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.
	Release	3.4. <u>68</u> : © 1999-201 <u>+5</u> , 2013 -Neustar, Ir	nc.	November 30December 31, 20135

	1		1	
		sending and set the		
		subscriptionActivationTimeStamp		
	_	to the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION
		subscriptionVersionActivate		subscriptionVersionActivate Response in CMIP (or ACTR –
		Response in CMIP (or ACTR –		ActivateReply in XML) from the NPAC SMS.
		ActivateReply in XML) to the New		
		SP SOA.		
4.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS issues an M-SET Response to itself.
		Request subscriptionVersionNPAC		
		to itself for the TNs (SV1) to set the		
		subscriptionVersionStatus to		
		sending and set the		
		subscriptionBroadcastTimeStamp to		
		the current date and time.		
5.	NPAC	NPAC SMS issues an M-DELETE	SP	1. All LSMSs in the region accepting downloads for this
		Request subscriptionVersion SV1 in		NPA-NXX receives the M-DELETE Requests and verify
		CMIP (or SVDD –		that the requests are valid.
		SvDeleteDownload in XML) to all		2. All LSMSs in the region issue an M-DELETE Response in
		LSMSs that are accepting		CMIP (or DNLR – DownloadReply in XML) back to the
		downloads for the NPA-NXX of		NPAC SMS.
		subscription Versions SV1.		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
	NELG		NDLC	from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS issues an M-SET Response to itself.
		Request subscriptionVersionNPAC		
		to itself for the TNs (SV1) to set the		
		subscriptionVersionStatus to old and set the		
		subscriptionDisconnectCompleteTi		
		meStamp to the current date and		
		time.		
7	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or
	iune	REPORT to the Old SP SOA based	51	VATN – SvAttributeValueChangeNotification in XML) from
		on their Customer TN Range		the NPAC SMS according to their Customer TN Range
		Notification Indicator.		Notification Indicator.
		• If the setting is TRUE, the		
		NPAC SMS issues one M-		
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		SvAttributeValueChangeNotific		
		ation in XML) for the range of		
		10 TNs (SV1) that contains the		
		following attributes:		
		• start TN		
		• end TN		
		start SVID		
		end SVID		
		 subscriptionVersionStatus 		
	1	- subscription (cisionstatus	I	

		 = 'old' If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionDisconnectCompleteTi meStamp 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange 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.

		1		
11.	SP	VATN – SvAttributeValueChangeNotific ation in XML) for each TN in the range (SV1) with the subscription Version Status of old. Old SP SOA issues an M-EVENT- REPORT Confirmation(s) in CMIP	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old
		(or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT(s) from the NPAC SMS.		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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification 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'.

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November 30December 31, 20135

15	SP – Optiona 1	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 – Conditi onal	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 – Optiona 1	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 – Conditi onal	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:	Case Number: 2.34		SUT Priority: SOA		
			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	1. Verify that the Donor SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	 Using the NPAC OpGUI, NPAC Personnel take action to delete an active Number Pool Block. NPAC SMS issues an M-SET numberPoolBlockNPAC Request to itself to update the numberPoolBlockStatus to 'sending' and set the numberPoolBlockBroadcastTi meStamp 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.

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3.	NPAC	NPAC SMS issues an M-DELETE numberPoolBlock in CMIP (or PBDD – NpbDeleteDownload in		All LSMSs in the region accepting downloads for this NPA- NXX successfully receive the Request and successfully respond in CMIR (or DNI R – Download Parky in XML) to the NRAC
		XML) to all LSMSs in the region		in CMIP (or DNLR – DownloadReply in XML) to the NPAC SMS.
1		that are accepting download for this		5HD.
		NPA-NXX.		
4.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request to itself and responds
1		subscriptionVersionNPAC to itself		with an M-SET Response to itself.
1		to set the subscriptionVersionStatus		
1		to 'old' and set the		
1		subscriptionModifiedTimeStamp and the		
1		subscriptionDisconnetCompleteTim		
1		eStamp to the current date and time.		
5.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request to itself and responds
- ·		numberPoolBlockNPAC to itself to		with an M-SET Response to itself.
		set the numberPoolBlockStatus to		
		'old' and set the		
		numberPoolBlockModifiedTimeSta		
		mp and the		
		numberPoolBlockDisconnectCompl		
		eteTimeStamp to the current date		
		and time.		
6.	NPAC	NPAC SMS issues an M-EVENT-	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VCDN – SvCustomerDisconnectDateNotification in XML)
		subscriptionVersionRangeDonorSP-		from the NPAC SMS.
		CustomerDisconnectDate		
		notification in CMIP (or VCDN –		
		SvCustomerDisconnectDateNotifica		
		tion in XML) to the Donor SP SOA		
		for the 1000 TNs that contains the following attributes:		
		following attributes:		
		• start TN		
		end TN start SVID		
		start SVID and SVID		
		 end SVID subscriptionVarsionCustomerDi 		
		 subscriptionVersionCustomerDi sconnectDate 		
		 subscriptionEffectiveReleaseDa 		
		te		
7.	SP	Donor SP SOA issues an M-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		EVENT-REPORT Confirmation in		CMIP (or NOTR – NotificationReply in XML) from the Donor
		CMIP (or NOTR –		SP SOA.
		NotificationReply in XML) to the		
8.	NPAC	NPAC SMS. NPAC SMS issues an M-EVENT-	SP	SP SOA receives the M-EVENT-REPORT
0.	IN AU	REPORT		numberPoolBlockStatusAttributeValueChange in CMIP (or
		numberPoolBlockStatusAttributeVa		PATN – NpbAttributeValueChangeNotification in XML) from
		lueChange in CMIP (or PATN –		the NPAC SMS.
		NpbAttributeValueChangeNotificati		
		on in XML) to the SP SOA for the		
		number pool block indicating its		
		status is now 'old'.		

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 – Optiona l	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 – Conditi onal	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.

Test Case Number:	2.35	SUT Priority:	SOA	С		
			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 SM	S 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	1. Verify that the Customer TN Range Notification Indicator is set to TRUE for the New
Setup:	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	Verify that an 'active' number pool block with an empty FailedSP-List exists.
Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Te	st Step	NPAC or SP	Expected Result
1.	SP	1. 2.	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. 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	NPAC	NPAC SMS issues an M-CREATE Response to itself.
2.	MAC	Request subscriptionVersionNPAC to itself for the TNs (SV2) to create the subscription versions, set the subscriptionVersionStatus to 'pending', and set the subscriptionCreationTimeStamp, subscriptionNewSPAuthorizationTi meStamp, subscriptionOldSPAuthorizationTim eStamp, and subscriptionModifedTimeStamp to the current date and time.		NPAC SMIS ISSUES an M-CKEATE Response to fiseli.
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 subscriptionVersionRangeObjectCre ation 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 subscriptionNewCurrentSP subscriptionNewSP-DueDate subscriptionNewSP- CreationTimeStamp subscriptionVersionStatus 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 – Optiona l	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 – Conditi onal	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'.

Test Case Number:	2.36	SUT Priority: SOA C		С		
			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	Verify that the Current SP Customer TN Range Notification Indicator is set according	g to
Setup:	their production value.	0
	Verify that the SOA Notification Priority tunable parameters are set to the default val the Current Service Provider.	lues for
	Verify that 5000 subscription versions exist with a status of 'active' and the same LR the current service provider under test. The 5000 TNs should span across two NPA-J	
	Set the Maximum Number of Download Records tunable to 1000.	
	Set filters for the NPA-NXXs to ensure a successful mass update.	
	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	Create and activate a range of 2500 subscription versions within one NPA-NXX.	
Setup:	Create and activate a range of 2500 subscription versions within another NPA-NXX	using
	the same LRN as in the previous create.	
	Verify that both ranges of 2500 TNs have the same LRN.	
	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	 NPAC SMS issues three M- SET Requests in CMIP (or SVMD – SvModifyDownload in XML) to each LSMS in the 	LSMS	 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.

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November 30December 31, 20135

	 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. 		 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. 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. 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 subscriptionVersionRangeStatusAttr ibuteValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 subscriptionVersionRangeStatusAttr ibuteValueChange notifications in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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 – SvAttribute ValueChangeNotification 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 - Optiona 1	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	 On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List. On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.
6.	SP - Conditi onal	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.

Test Case Number:	2.37	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA –Service Provider n Customer TN Range Nor Note: Per IIS3_4_1aPart			

B. REFERENCES

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

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.
Secup.	 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.
	 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 5002-5049 with a unique set of DPC/SSN data. l) Activate a range of 50 consecutive TN subscription versions using the mater of the step '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	1. Create a range of 10,000 subscription versions.
Setup:	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.
1	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	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 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 InpDownload back to the SOA with the Network Data updates.

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	resync request.		
. SP	SP SOA issues an M-ACTION Request InpNotificationRecovery (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 InpNotificationRecovery with the following notification data updates to the SP SOA: SP SOA will receive the following notifications in the sequend 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 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) 6. 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 SVI

 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 				
 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 subscription VersionRangeObjectCreation for all TNs in the range. (Range data) One M-EVENT-REPORT attributeValueChange for all TNs in the range. (Range data) I. For the TNs in step 'i' of the prerequisites: One M-EVENT-REPORT attributeValueChange for all TNs in the range. (Range data) II. For the TNs in step 'i' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange e with the subscriptionVersionRangeCancellationAcknowledge equest for all TNs in the range. (Range data) One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange e with the subscriptionVersi				if the SOA supports the Final Create Window
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(Range data) 11. For the TNs in step 'j' of the prerequisites:				
11. For the TNs in step 'j' of the prerequisites:				
				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				
				subscriptionVersionRangeStatusAttributeValueChang
e 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				• 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.			1	appropriate notifications
	4 5-			
Request lnpRecoveryComplete to and replies back to the SOA with data updates at the next	4. SP	SP SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the SOA

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November 30 December 31, 20135

		the NPAC SMS to set the		scheduled interval for the NPA-NXX that was created during
		resynchronization flag to FALSE.		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 – Optiona 1	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	 The following updates were sent: For the TNs that were created and activated in the Prerequisite SP Setup: The subscription versions exist with a status of 'active'. 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 'actice' (or may not exist depending on local implementation). For the TNs that are part of step 'e' in the prerequisites: The subscription versions exist with a status of 'pending'. 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) For the TNs that are part of step 'h' in the prerequisites: The subscription versions exist with a status of 'conflict'. For the TNs that are part of step 'j' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'j' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'j' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'k' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'k' in the prerequisites: The subscription versions exist with a status of 'active'. For the Number Pool Block that is part of step 'm' in the prere
8.	SP –	Somia Dravidar Darconnal norferer	SP	implantation)
0.	SP – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data	ы	 The following results are found: For the TNs that were created and activated in the

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November 30 December 31, 20135

updated in this test case.		Prerequisite SP Setup:
L		• 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'.

Test Case Number:	2.38	SUT Priority:	SOA	С	
			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:	
Cases: Prerequisite NPAC Setup:	 Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test. Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test. 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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 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 InpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request InpNotificationRecovery (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 InpNotificationRecovery with the following notification data updates to the SP SOA: For the TNs in step 'b' of the prerequisites: An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range For the TNs in step 'c' of the prerequisites: An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range For the TNs in step 'c' of the prerequisites: An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 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.

D. TEST STEPS and EXPECTED RESULTS

7.	SP – Optiona 1	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 – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	 The following results are found: For the TNs that are part of prerequisites step 'b': The subscription versions were created and had a status of 'pending'. For the TNs that are part of prerequisites step 'c': The subscription versions were created and had a status of 'pending'. For the TNs that are part of prerequisites step 'c':

A. <u>TEST IDENTITY</u>

Test Case Number:	2.39	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Service Provider association. Service Prov from FALSE to TRUE a Note : Per IIS3_4_1aPart	vider changes their Custo ind recovery is attempted	omer TN Range Notifica . – Success	tion Indicator value

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	1. Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test.
Setup:	 Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup.	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 Drevider under test suprests Medium Times Is director mode the
	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	Take the SOA off line.
Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 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	NPAC	NPAC SMS receives the M-ACTION and issues an M-
		Request InpDownload (network		ACTION Response InpDownload back to the SOA with the
		data) to the NPAC SMS and		Network Data updates.
		specifies the time range for the		
		resync request.		
3.	SP	SP SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the SP
		Request InpNotificationRecovery		SOA and issues an M-ACTION Response
		(notification data) to the NPAC		InpNotificationRecovery with updates to the SP SOA. SP SOA
		SMS and specifies the start time for		will receive the following notifications in the sequence that the
		the resync request.		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
				subscriptionVersionRangeStatusAttributeValueChang
				e 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
4	GD		NIDAC	appropriate notifications.
4.	SP	SP SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the SOA
		Request InpRecoveryComplete to		and replies back to the SOA with data updates at the next
		the NPAC SMS to set the		scheduled interval for the subscription versions that were
	1	resynchronization flag to FALSE.	1	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 – Optiona l	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 – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	 The following results are found: 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). For the TNs that are part of step 'f' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'g' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'g' in the prerequisites: The subscription versions exist with a status of 'active'. For the TNs that are part of step 'g' in the prerequisites: The subscription versions exist with a status of 'active'.

A. <u>TEST IDENTITY</u>

Test Case Number:	2.40	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – 'Primary' Service NPAC Interface to recov 'Primary' and 'Associate for both SPIDs. – Succes Note: Per IIS3 4 1aPart	ver a mixture of SV notified' SPIDs. The Customer ss	ications for ranges of TN r TN Range Notification	Is for both their Indicator set to TRUE

B. <u>REFERENCES</u>

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	1. Verify that SPID B is established as a 'Secondary' SPID to 'Primary' SPID A.					
Setup:	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 # NP/			
	IPAC Test Step	NPAC	Expected Result
or S	r SP	or SP	

1.	SP	 After all the prerequisites have been completed, SP Personnel bring the SPID A SOA back on-line. The SPID A SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag for SPID A set to TRUE. SP SOA issues an M-ACTION 	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
	51	Request InpDownload (network data) to the NPAC SMS for SPID A and specifies the time range for the resync request.	in ne	ACTION Response InpDownload back to the SOA with the Network Data updates.
3.	SP	SP SOA issues an M-ACTION Request InpNotificationRecovery (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 InpNotificationRecovery 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: 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) For the SVs in step 'b' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range For the SVs in step 'c' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang for all TNs in the range For the SVs in step 'c' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data) 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.
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		

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		any data updates since the association was re-established.		
6.	SP	SPID A's SOA issues an M- ACTION Request InpNotificationRecovery 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 InpNotificationRecovery 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: 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) For the SVs in step 'b' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range For the SVs in step 'c' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data) For the SVs in step 'd' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data)
7.	SP	SP SOA issues an M-ACTION Request InpRecoveryComplete 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 – Optiona 1	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)
-	SP – Optiona	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 'active'. (Range data) One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'old'. (Range data).

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	С	
		v	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 S	SP Profile. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
	1. Varify that all (SOA Natification Driverity) typelle neromators for the Service Dravider under
Prerequisite NPAC	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM.
Setup:	
	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
	 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	1. Create 500 subscription versions for which you are the Old Service Provider.
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
Row #		 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) 		Expected Result NPAC receives, validates, and starts processing all requests.
		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)		
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.

D. TEST STEPS and EXPECTED RESULTS

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		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- Conditio nal	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	С		
			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	g' status for a tunable ar	nount of time. – Su	Iccess		

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	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	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

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1. SI	βP	 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. 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.

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		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 subscriptionVersionRangeObje 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 – SvObjectCreation 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.

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<u>г</u>			
7. SP	 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). 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 Old SP SOA.
	EVENT-REPORT from the NPAC		
8. NPAC	SMS.		The entropy of the second s
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 – Option 1	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending'.
10. SP – Condit onal	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11. NPAC		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 subscriptionVersionRangeNew SP-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 CMIP (or VNIN – SvNewSpCreateNotification in 	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.

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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 subscriptionVersionRangeNew SP- FinalCreateWindowExpiration notification in CMIP (or VNFN - SvNewSpFinalCreateWindowE xpirationNotification in XML) to the Old SP SOA that contains the following attributes: • start TN • end TN • start SVID • subscriptionOldSP • subscriptionOldSP- DueDate • subscriptionOldSP- Authorization • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- Authorization set to false) • subscriptionOldSP- Authorization set to false) • 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 – SvNewSpFinalCreateWindowE		
		xpirationNotification in XML) for the TN to the Old SP SOA that contains the following		
		attributes: • subscriptionTN • subscriptionId		
		subscriptionOldSPsubscriptionNewCurrentSP		
		 subscriptionOldSP- DueDate subscriptionOldSP- 		
		AuthorizationsubscriptionOldSP- AuthorizationTimeStamp		
		• subscriptionStatusChangeC auseCode (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	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.
		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 		
		subscriptionVersionRangeNew SP- FinalCreateWindowExpiration notification in CMIP (or VNFN		

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SvNewSpFinalCreateWindowE
xpirationNotification in XML)
that contains the following
attributes:
• start TN
• end TN
• start SVID
end SVID
subscriptionOldSP
• subscriptionNewCurrentSP
subscriptionOldSP-
DueDate
subscriptionOldSP-
Authorization
• subscriptionOldSP-
AuthorizationTimeStamp
• subscriptionStatusChangeC
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
– S. New S. Einst Carste Window E
SvNewSpFinalCreateWindowE
xpirationNotification in XML)
that contains the following
attributes:
• subscriptionTN
• subscriptionId
• subscriptionOldSP
• subscriptionNewCurrentSP
subscriptionOldSP- DueDate
subscriptionOldSP-
Authorization
subscriptionOldSP-
AuthorizationTimeStamp
• subscriptionStatusChangeC
auseCode (if
subscriptionOldSP-
Authorization set to false)
• subscriptionTimerType (if
supported)
• subscriptionBusinessType
(if supported)

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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-		SP SOA.
		EVENT-REPORT from the NPAC SMS.		
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 –	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending'.
	Optiona	perform a local query for the	~ -	The subscription version ends with a status of pertaining .
	1	subscription version created during		
		this test case.		
21.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the
	Conditi	SMS query for the subscription		NPAC SMS.
	onal	version created during this test case.		
22.	NPAC	The Pending Subscription Retention	NPAC	NPAC SMS automatically sets the subscription version status to
		parameter expires without any		'cancelled' for the subscription version that was created during
		action from SP or NPAC Personnel		this test case.
		to either concur to the port or		
		otherwise cancel the subscription		NOTE: The tunable setting in addition to the test window
		version.		provided may prohibit the ability to verify the "cancelled"
				status of this subscription version. If this is the situation,
23.	NPAC	NPAC SMS issues an M-EVENT-	SP	the test case can be passed if it is successful through step 21. Old SP SOA receives the M-EVENT-REPORT in CMIP (or
201	in ne	REPORT to the Old SP based on	51	VATN – SvAttributeValueChangeNotification in XML) from
		their Customer TN Range		the NPAC SMS according to their Customer TN Range
		Notification Indicator indicating that		Notification Indicator, and issues an M-EVENT-REPORT
		the subscription version created		Confirmation in CMIP (or NOTR – NotificationReply in XML)
		during this test case has been set to 'cancelled':		to the NPAC SMS.
		• If the setting is TRUE, the		
		NPAC SMS issues a		
		subscriptionVersionRangeStatu		
		sAttributeValueChange in		
		CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML).		
		• If the setting is FALSE, the		
		NPAC SMS issues an M- EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange in CMIP (or		
		VATN –		
		SvAttributeValueChangeNotific		
		ation in XML).		
24.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP based on		VATN – SvAttributeValueChangeNotification in XML) from
		their Customer TN Range		the NPAC SMS according to their Customer TN Range
		Notification Indicator indicating that		Notification Indicator, and issues an M-EVENT-REPORT
		the subscription version created		Confirmation in CMIP (or NOTR – NotificationReply in XML)
		during this test case has been set to		to the NPAC SMS.

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		 'cancelled': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona l	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 – Conditi onal	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. <u>TEST IDENTITY</u>

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 t	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**

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	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	 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. 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 subscriptionVersionRangeObje ctCreation 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 subscriptionVersionRangeObje ctCreation 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 – Optiona l	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 – Conditi onal	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 subscription Version Range New SP-CreateRequest in CMIP (or VNIN – SvNewSpCreateNotification in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT subscription Version NewSP- 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 – SvNewSpFinalCreateWindowExpir ationNotification 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 – SvNewSpFinalCreateWindowExpir ationNotification 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 – Optiona l	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 – Conditi onal	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.

November 30December 31, 20135

		 'cancelled': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE, the 		
		NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona l	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 – Conditi onal	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	С			
			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	s sent to the New Service	Provider. – Success				

B. **REFERENCES**

KEIEKEICES			
NANC Change Order		Change Order	NANC 179
Revision Number:		Number(s):	
NANC FRS Version	3.1	Relevant	RR5-117, RR3-241, RR3-243, RR3-244
Number:		Requirement(s):	
NANC IIS Version	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,
Number:			B.5.1.5, B.5.1.6

C. PREREQUISITE

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	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	 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. 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 SP	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. Old SP SOA receives the M-ACTION
		subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.		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 subscriptionVersionRangeObje 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). 	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 subscriptionVersionRangeObje ctCreation 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.

	1		1	
7.	SP	 in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML). Old SP SOA issues an M-EVENT- 	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		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.		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 – Optiona 1	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 – Conditi onal	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 subscriptionVersionRangeNew SP-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 – SvNewSpFinalCreateWindowExpir ationNotification 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 subscriptionVersionRangeNew SP- FinalCreateWindowExpiration notification in CMIP (or VNFN - SvNewSpFinalCreateWindowE xpirationNotification in XML) that contains the following attributes: • start TN • end TN • start SVID • subscriptionOldSP • subscriptionOldSP- DueDate • subscriptionOldSP- Authorization • 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.

17.	SP	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 SvNewSpFinalCreateWindowE xpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionOldSP • subscriptionOldSP- DueDate • subscriptionOldSP- DueDate • subscriptionOldSP- Authorization • subscriptionOldSP- Authorization • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeStamp • subscriptionOldSP- AuthorizationTimeType (if supported) • subscriptionBusinessType (if supported) • subscriptionBusinessType (if supported) • subscriptionBusinessType (if supported) • subscriptionRely in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS. NPAC Personnel perform a query for the subscription version created	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
19.	SP –	in this test case. Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending'.
20.	Optiona l SP –	perform a local query for the subscription version created during this test case. Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the
	Conditi onal	SMS query for the subscription version created during this test case.	51	NPAC SMS.

21	SP	 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. 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 subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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

November 30December 31, 20135

		 on their Customer TN Range Notification Indicator. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChange notification in CMIP (or VATN 		the NPAC SMS according to their Customer TN Range Notification Indicator.
27.	SP	ation in XML). 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.
28.	SP	 from the NPAC SMS. Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate the single Inter-Service Provider subscription version. 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 subscriptionVersionActivationTime Stamp 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	 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. All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) subscriptionVersion back to the NPAC SMS. 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 subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – Optiona l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version activated during this test case.	SP	 On the SOA, the subscription version exists with an empty Failed SP List. On the LSMS, the subscription version exists with a status of 'active'.
39.	SP – Conditi onal	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. <u>TEST IDENTITY</u>

Test Case Number:	3.4	SUT Priority:	SOA	С	
			LSMS	N/A	
Objective:	SOA – Old Service Prov	vider creates a subscription	on 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**

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	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	 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. 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 subscriptionVersionRangeObje 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). 	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 subscription VersionRangeObje ctCreation 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 – Optiona 1	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 – Conditi onal	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 subscriptionVersionRangeNew SP-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.

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16.	SP	FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowE xpirationNotification in XML) that contains the following attributes: • subscriptionTN • subscriptionOldSP • subscriptionOldSP • subscriptionOldSP- DueDate • subscriptionOldSP- Authorization • subscriptionOldSP- AuthorizationTimeStamp • subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false) • subscriptionTimerType (if supported) • SubscriptionBusinessType (if supported)	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
10.	Sr	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.	NFAC	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 – SvNewSpFinalCreateWindowExpir ationNotification 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 – Optiona l	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 – Conditi onal	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.
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TEST IDENTITY A.

Test Case Number:	3.5	SUT Priority:	SOA	С			
			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 to find the state of the subscription of the subscr						
	amount of time - Succes	S					

В. 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	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	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:	

TEST STEPS and EXPECTED RESULTS D.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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. 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.
	Release	3.4. <u>68</u> : © 1999-201 <u>+5, 2013-</u> Neustar, Ir	nc.	November 30December 31, 20135

		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 subscriptionVersionRangeObje 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 – SvObjectCreation 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 subscriptionVersionRangeObje ctCreation 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.

-				
7.	SP	 (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). Old SP SOA issues an M-EVENT- 	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
	51	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.	NI AC	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 – Optiona l	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 – Conditi onal	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 subscription VersionRangeNew SP-CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT subscription VersionNewSP- CreateRequest notification in CMIP (or VNIN – SvNewSpCreateNotification in CMIP (or VNIN – SvNewSpCreateNotification 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 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 subscriptionVersionRangeNew SP- FinalCreateWindowExpiration notification in CMIP (or VNFN - SvNewSpFinalCreateWindowE xpirationNotification in XML) that contains the following attributes: start TN end TN start SVID end SVID subscriptionOldSP subscriptionOldSP- DueDate subscriptionOldSP- Authorization TimeStamp subscriptionOldSP- Authorization set to false) subscriptionTimerType (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.
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		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionNewSP-		
		FinalCreateWindowExpiration		
		notification in CMIP (or VNFN		
		_		
		SvNewSpFinalCreateWindowE		
		xpirationNotification in XML)		
		that contains the following		
		attributes:		
		 subscriptionTN 		
		-		
		• subscriptionId		
		subscriptionOldSP		
		subscriptionNewCurrentSP		
		 subscriptionOldSP- 		
		DueDate		
		 subscriptionOldSP- 		
		Authorization		
		 subscriptionOldSP- 		
		AuthorizationTimeStamp		
		subscriptionStatusChangeC		
		auseCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		 subscriptionTimerType (if 		
		supported)		
		 subscriptionBusinessType 		
		(if supported)		
16.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS indicating		
		it successfully received the M-		
		EVENT-REPORT from the NPAC		
		SMS.		
17.	NPAC	Once the Service Provider	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		Concurrence Window has expired,		VNFN – SvNewSpFinalCreateWindowExpirationNotification
		NPAC SMS determines that the		in XML) from the NPAC SMS according to their Customer TN
		NPAC Customer No New SP		Range Notification Indicator.
		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		
		subscriptionVersionRangeNew		
		SP-		
		FinalCreateWindowExpiration		
		notification in CMIP (or VNFN		
<u> </u>		SvNewSpFinalCreateWindowE		
	Release	3.4. <u>68</u> : © 1999-201 <u>+5</u> , 2013 -Neustar, Ir	nc.	November 30December 31, 20135

		г	
	xpirationNotification in XML)		
	that contains the following		
	attributes:		
	• start TN		
	• end TN		
	start SVID		
	end SVID		
	subscriptionOldSP		
	subscriptionNewCurrentSP		
	 subscriptionOldSP- 		
	DueDate		
	subscriptionOldSP-		
	Authorization		
	subscriptionOldSP-		
	AuthorizationTimeStamp		
	subscriptionStatusChangeC		
	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		
	_		
	SvNewSpFinalCreateWindowE		
	xpirationNotification in XML)		
	with the following attributes:		
	 subscriptionTN 		
	 subscriptionId 		
	 subscriptionOldSP 		
	• subscriptionNewCurrentSP		
	subscriptionOldSP-		
	DueDate		
	subscriptionOldSP-		
	Authorization		
	 subscriptionOldSP- 		
	AuthorizationTimeStamp		
	subscriptionStatusChangeC		
	auseCode (if		
	subscriptionOldSP-		
	Authorization set to false)		
	• subscriptionTimerType (if		
	supported)		
	 subscriptionBusinessType 		
	(if supported)		
18. SF		NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
	REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the New

	1		1	
		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 – Optiona 1	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 – Conditi onal	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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN - SvAttributeValueChangeNotific ation in XML) indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN SvAttributeValueChangeNotific ation in XML) indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) indicating the 		
25.	NPAC	status is 'cancelled'. NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'cancelled'.
20.	mne	for the subscription version created in this test case.	in ne	The subscription versions exist with a status of callented.
26.	SP – Optiona l	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 – Conditi onal	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	С
			LSMS	N/A
Objective:	SOA – Service Provider Service Provider recover Success Note: Per IIS3_4_1aPart	rs Final Create Window I	Expiration notifications of	luring recovery. –

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

INEREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to
Setup:	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.

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November 30December 31, 20135

		prerequisites above.		
3.	SP	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 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 InpDownload (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 InpDownload back to the SOA with the Network Data updates.
5.	SP	SP SOA issues an M-ACTION Request InpNotificationRecovery (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 InpNotificationRecovery 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. 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 – Optiona l	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 – Conditi onal	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'.

TEST IDENTITY A.

Test Case Number:	3.7	SUT Priority:	SOA	R
			LSMS	N/A
Objective:	SOA – Service Provider Service Provider does n recovery. – Success Note : Per IIS3_4_1aPart	ot recover Final Create V	Vindow Expiration notifi	ications during

В. 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

TREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to
Setup:	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:	

TEST STEPS and EXPECTED RESULTS D.

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.

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November 30December 31, 20135

		prerequisites above.		
3.	SP	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 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 InpDownload back to the SOA with the Network Data updates.
5.	SP	SP SOA issues an M-ACTION Request InpNotificationRecovery (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 InpNotificationRecovery 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. 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 – Optiona 1	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 – Conditi onal	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	С		
			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	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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 <i>does</i> support MTI, this value
	should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.
Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscriptionModifiedTimeStamp to		
		the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA receives the M-ACTION Response in CMIP (or
		Response in CMIP (or OCRR –		OCRR – OldSpCreateReply in XML) from the NPAC SMS.
		OldSpCreateReply in XML) to the		
		Old SP SOA.		
4.	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Old SP SOA based		VATN – SvAttributeValueChangeNotification in XML) from
		on their Customer TN Range		the NPAC SMS.
		Notification Indicator.		
		• If the setting is TRUE, the NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange notification		
		in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML).		
		• If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange		
		notification in CMIP (or VATN		
		—		
		SvAttributeValueChangeNotific		
5	(D)	ation in XML).		
5.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or		CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS indicating it successfully received the M-		
		EVENT-REPORT.		
6.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the New SP SOA based		VATN - SvAttributeValueChangeNotification in XML) from
		on their Customer TN Range		the NPAC SMS.
		Notification Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange notification in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML).		
		 If the setting is FALSE the 		
		If the betting is I ALDE the	l	

10.	SP – Conditi onal	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.
9.	SP – Optiona 1	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'.
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'.
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.
		NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).		

TEST IDENTITY A.

Test Case Number:	4.2	SUT Priority:	SOA	С	
			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	e and time for yesterday.	- Success		

REFERENCES B.

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	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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	Verify that the time is "subscriptionVersionNewSP-DueDate plus 1" (both local and GMT time)
Setup:	in the local time zone.

D. **TEST STEPS and EXPECTED RESULTS**

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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). 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.
	Release	3.4. <u>68</u> : © 1999-201 1<u>5,</u> 2013-Neustar, Ir	nc.	November 30December 31, 20135

		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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP 	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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

Test Case Number:	4.3	SUT Priority:	SOA	С	
			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	d Service Provider. – Su	ccess		

REFERENCES B.

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:	 Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider. 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'. Verify that the current time is after 7:00PM EST today (next day GMT) in the Old Service Provider's time zone. 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 <i>does</i> 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	 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. 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.
	Release	3.4. <u>68</u> : © 1999-201 1<u>5,</u> 2013-Neustar, Ir	nc.	November 30December 31, 20135

		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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 – SvAttributeValueChangeNotific 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 – Optiona l	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 – Conditi onal	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.

TEST IDENTITY A.

Test Case Number:	4.4	SUT Priority:	SOA	С		
			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	e and time for yesterday.	- Success			

REFERENCES B.

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	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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	Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and
Setup:	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	 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. 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.
	Release	3.4. <u>68</u> : © 1999-201 1<u>5,</u> 2013-Neustar, Ir	nc.	November 30December 31, 20135

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

		attributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific 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 subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optiona l	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 – Conditi onal	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.

Test Case Number:	4.5	SUT Priority:	SOA	С
				N/A
Objective:	SOA – Service Provider after 7:00PM EST where – 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	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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 <i>does</i> support MTI, this value
	should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP	Verify that the current time is after 7:00PM EST today (next day GMT) in the local time zone.
Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 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). SP SOA issues an M-ACTION subscriptionVersionNew/OldSP -Create in CMIP (or OCRQ – OldSpCreateRequest /NCRQ – NewSpCreateRequest in XML) to the NPAC SMS. 	NPAC	 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. 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 – Optiona l	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 – Conditi onal	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	С
			LSMS	N/A
Objective:	NPAC and SOA – NPAC defaulted to Sunday thro parameter to a value that Timers are set to SHOR? After a tunable amount of Old SP has not received the Long Business Days amount of time the Initia	ugh Saturday. NPAC Per does not include today. Γ. New SP Personnel sub of time the Initial Concur an OldSP-Concurrence I tunable parameter to a va	rsonnel modify the Long Both Old SP Port Out an omit an SV Create. Old S rence Window timer has Request notification. NP. alue that does include to	Business Days tunable ad New SP Port In SP does not concur. not expired and the AC Personnel modify day. After a tunable
	receives an OldSP-Conc		-	<u> </u>

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

Prerequisite Test	
-	
Cases:	
Prerequisite NPAC	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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 <i>does</i> support MTI, this value should be set to false so that default Timer Type and Business Hours processing is followed.

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

D.	TEST S	TEPS 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	 Using the SOA, New SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC. 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 subscriptionVersionRangeObje ctCreation 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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		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.		CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
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 an M- EVENT-REPORT subscriptionVersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). 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.

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12.	NPAC	Using the NPAC OpGUI, NPAC	NPAC	The 'Long Business Days' tunable parameter is modified such
		Personnel modify the 'Long		that it includes today.
		Business Days' tunable parameter		
		such that it includes today.		
13.	NPAC	NPAC SMS waits for the tunable	NPAC	The Initial Concurrence Window timer expires.
		amount of time for the Initial		
		Concurrence Window timer during		
-		the business hours for the day.		
14.	NPAC	NPAC SMS does not issue a	SP	Old SP SOA does not receive a notification receives the M-
		notificationissues an M EVENT		EVENT REPORT in CMIP (or VOIN -
		REPORT		SvOldSpConcurrenceNotification in XML) from the NPAC
		subscriptionVersionOldSP-		SMS.
		ConcurrenceRequest notification in CMIP (or VOIN –		
		SvOldSpConcurrenceNotification in		
		XML) to the Old SP SOA.		
15.	SP	Old SP SOA does not issue a	NPAC	NPAC SMS does not receive a notification replyreceives the M-
		notification replyissues an M		EVENT REPROT Confirmation in CMIP (or NOTR
		EVENT REPORT Confirmation in		NotificationReply in XML) from the Old SP SOA.
		CMIP (or NOTR		
		NotificationReply in XML) to the		
		NPAC SMS.		
16.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending' but
		for the subscription version created		does not contain any Old SP data.
		in this test case.		
17.	SP –	Via their SOA, New SP Personnel	SP	The subscription version exists with a status of 'pending' but
	Optiona	perform a local query for the		does not contain any Old SP data.
	1	subscription version created during		
		this test case.		
18.	SP –	New SP Personnel perform an	SP	The subscription version exists with a status of 'pending' on the
	Conditi onal	NPAC SMS query for the		NPAC SMS but does not contain any Old SP data.
	onai	subscription version created during		
		this test case.		
19.	SP –	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending' but
	Optiona 1	perform a local query for the		does not contain any Old SP data.
	1	subscription version created during		
20	6.0	this test case.	(T)	
20.	SP – Conditi	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the
	onal	SMS query for the subscription		NPAC SMS but does not contain any Old SP data.
	Ullal	version created during this test case.		

A. <u>TEST IDENTITY</u>

Test Case Number:	5.2	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	NPAC and SOA – NPAC defaulted to Sunday thro tunable parameter to a va In Timers are set to LON create. After a tunable an the New SP has not rece Long Business Days tuna	ugh Saturday. NPAC Pe alue that does not include NG. Old SP Personnel sul mount of time the Initial ived a NewSP-Create Re	ersonnel modify the Long e today. Both Old SP Por bmit an SV Create. New Concurrence Window tin quest notification. NPAC	g Business Days rt Out and New SP Port SP does not submit his ner has not expired and C Personnel modify the
	amount of time the Initia receive s a NewSP-Create	al Concurrence Window t	timer has expired and the	

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

Duene surisite Test	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the SOA Notification Priority tunable parameters are set to the default values for
Setup:	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.
	 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 <i>does</i> support MTI, this value
	should be set to false so that default Timer Type and Business Hours processing is followed.
Prerequisite SP	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service
Setup:	Provider Subscription Version.

D. TEST STEPS and EXPECTED RESUL	TS
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D. Row #	NPAC or SP	TEPS and EXPECTED RESULTS 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	 Using the SOA, Old SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC. 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 subscriptionVersionRangeObje ctCreation 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	 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 subscriptionVersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation Notificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). 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 <u>does not issue a</u> <u>notificationissues an M-EVENT-</u> <u>REPORT</u> <u>subscriptionVersionNewSP Create</u> <u>Request notification in CMIP (or</u> <u>VOCN-</u> <u>SvObjectCreationNotification in</u> <u>XML</u>) to the New SP SOA.	SP	New SP SOA <u>does not receive a notification</u> receives the M- EVENT-REPORT in CMIP (or VOCN- SvObjectCreationNotification in XML) from the NPAC SMS.
15.	SP	New SP SOA <u>does not issue a</u> <u>notification reply</u> issues an M <u>EVENT REPORT Confirmation in</u> <u>CMIP (or NOTR –</u> <u>NotificationReply in XML)</u> to the NPAC SMS.	NPAC	NPAC SMS <u>does not receive a notification reply</u> 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 – Optiona 1	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 – Conditi onal	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 – Optiona l	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 – Conditi onal	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.

Test Case Number:	5.3	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	NPAC and SOA – NPAC defaulted to Monday thre parameter to a value that Timers are set to SHOR' create. After a tunable an the Old SP has not received	ough Friday. NPAC Pers t does not include today. T. Old SP Personnel subi mount of time the Initial	onnel set the Short Busin Both Old SP Port Out ar nit an SV Create. New S Concurrence Window tin	ness Days tunable nd New SP Port In SP does not submit his ner has not expired and
	Short Business Days tun amount of time the Initia receives an OldSP-Conc	al Concurrence Window t	imer has expired and the	

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

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.
	 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 <i>does</i> 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.

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

D. TEST STEPS and EXPECTED RESULTS

		it successfully received the M- EVENT-REPORT from the NPAC SMS.		
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 an M- EVENT-REPORT subscription VersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). 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 <u>does not issue a</u> <u>notificationissues an M-EVENT-</u> <u>REPORT</u> <u>subscriptionVersionNewSP-</u> <u>CreateRequest notification in CMIP</u> (or VNIN- <u>SvNewSpCreateNotification in</u> <u>XML</u>) to the New SP SOA.	SP	New SP SOA <u>does not receive a notification</u> receives the M- EVENT REPORT in CMIP (or VNIN - SvNewSpCreateNotification in XML) from the NPAC SMS.
15.	SP	New SP SOA <u>does not issue a</u> <u>notification reply</u> issues an M <u>EVENT REPORT Confirmation in</u> <u>CMIP (or NOTR –</u> <u>NotificationReply in XML)</u> to the NPAC SMS.	NPAC	NPAC SMS <u>does not receive a notification reply</u> 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 – Optiona 1	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 – Conditi onal	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 – Optiona l	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 – Conditi onal	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. <u>TEST IDENTITY</u>

Test Case Number:	5.4	SUT Priority:	SOA	С				
			LSMS	N/A				
Objective:	NPAC and SOA – NPAC	C Personnel verify that th	e Short Business Days t	unable parameter is				
	defaulted to Monday three	ough Friday. NPAC Pers	onnel set the Short Busin	ness Days tunable				
	parameter to a value that	t does not include today.	Both Old SP Port Out ar	nd 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 Concurre	ence Window timer has ex	xpired and the Old SP de	oes not receives an				
	OldSP-Concurrence Req	uest notification Succ	ess					

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

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.
	 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 <i>does</i> 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.

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	 Using the SOA, New SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC. 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 subscriptionVersionRangeObje ctCreation 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.

D. TEST STEPS and EXPECTED RESULTS

		it successfully received the M- EVENT-REPORT from the NPAC SMS.		
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 an M- EVENT-REPORT subscription VersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation Notificati on in XML). If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML). 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 <u>does not issue a</u> <u>notificationissues an M EVENT</u> <u>REPORT</u> <u>subscriptionVersionOldSP</u> <u>ConcurrenceRequest notification in</u> <u>CMIP (or VOIN</u> <u>svOldSpConcurrenceNotification in</u> <u>XML</u>) to the Old SP SOA.	SP	Old SP SOA <u>does not receive a notification</u> receives the M - EVENT REPORT in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS.
15.	SP	Old SP SOA <u>does not issue a</u> <u>notification replyissues an M</u> <u>EVENT REPORT Confirmation in</u> <u>CMIP (or NOTR</u> <u>NotificationReply in XML)</u> to the NPAC SMS.	NPAC	NPAC SMS <u>does not receive a notification reply</u> 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 – Optiona l	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 – Conditi onal	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 – Optiona 1	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 – Conditi onal	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 reque Priority' tunable paramet the NPAC SMS generati Provider verifies that he	ests NPAC Personnel to 1 ter values to NONE then ng the notifications that l	modify several of his 'SO perform activities that w have been given prioritie	DA Notification yould normally result in	

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

Prerequisite NPAC 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 Provide 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	Prerequisite Test Cases:	
 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 	-	 both the Old and the New Service Providers. Verify that all 'SOA Notification Priority' tunable parameters for the Old Service Provider are defaulted to MEDIUM. 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. 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 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

Prerequisite SP	1.	Verify that there exists a 'pending' subscription version that can be activated (SV1).
Setup:	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	 Using the SOA, New SP Personnel submit a First Port Inter-Service Provider subscription version Create request to the NPAC SMS (SV4). 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 subscriptionVersionRangeObje ctCreation 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.

			r	[]
		 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.

		subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN		
		 SvAttributeValueChangeNotific ation in XML) with the subscription version status = 'cancel-pending'. If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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	 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). 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 subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN SvAttributeValueChangeNotific ation in XML) with the subscription version status = 'active'. If the setting is FALSE, the 		
		NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation 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 subscriptionVersionStatusAttribute ValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotificatio n in XML) to the New SP SOA.	SP	New SP SOA does not receive an M-EVENT-REPORT subscription VersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and still shows the subscription version with a status of 'pending'.
21.	SP	 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). 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 subscriptionVersionRangeDono rSP-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 – SvCustomerDisconnectDateNot ification in XML). If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionDonorSP- CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNot ification 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 subscriptionVersionStatusAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n 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'.

Test Case Number:	6.2	SUT Priority:	SOA	С	
			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:	 Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (New SP). 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. 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.
Prerequisite SP	 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. 1. Create 5000 'pending' subscription versions and have them ready to modify (SV1).
Setup:	 Create one 'pending' subscription versions and have it ready to includy (SVI). 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.

Test Case Number:	6.3	SUT Priority:	SOA	С
			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	1. Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service
Setup:	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	1. Create one 'pending' subscription version and have them ready to modify (SV1). No create
Setup:	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.

Test Case Number:	6.4	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	NPAC and SOA – Servic would result in the NPAC Provider. The Service Pr After sufficient time has from the requests the Ser notifications. Service Pro priority and in the correct Note : Per IIS3_4_1aPart	C SMS generating notific rovider then aborts their a passed for the NPAC SM rvice Provider re-associa poider Personnel verify the et format. – Success	cations with multiple prior association before receiv AS to generate all the not tes to the NPAC and received that they recovered the not	brities for the Service ing the notifications. tifications resulting overs the missed otifications in order of

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

SOA Notification Priority' tunable parameters for the Service Provider efaulted to MEDIUM. Service Provider's 'Customer TN Range Notification Indicator' is set to their SOA will receive SOA Notifications on a TN basis. ivate 500 subscriptions for which the Service Provider under test is the A-NXX-Xs for the Service Provider under test and have the associated Blocks ready to be activated. ce Provider under test has performed the activities listed in the Prerequisite IPAC SMS has processed all the requests, set the following 'SOA iority' tunable parameters to the values indicated for the Service Provider eation = HIGH (S-1.00 on Version Cancellation Acknowledge Request = MEDIUM (L-4.0 A) on Version Status Attribute Value Change Notification – Activates – To the ce Provider = MEDIUM (L-11.0 A1) on Version Status Attribute Value Change Notification – set to OLD = HIGH on Version Status Attribute Value Change Notification – Activates – To the e Provider = MEDIUM (L-11.0 A1.5) on Version – Donor SP – Customer Disconnect Date Notification – LOW (L- bol Block Status Attribute Value Change Notification – HIGH (L13.0 A) ce Provider SOA supports Optional Data elements and/or SV Type, these luded in the Subscription Version create steps within the test case body;
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	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters		
Setup:	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– 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) 	NPAC	NPAC receives, validates, and starts processing all requests.

		Blocks listed in Itom 4 of the		
		 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 (3 rd 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.