## NPAC SMS/Individual Service Provider Certification and Regression Test Plan

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

Chapter 11

November 30, 2013 Release 3.4.6

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

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

#### 11.1 NANC 179 – TN Range Notification Test Cases

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

#### A. TEST IDENTITY

Test Case Number:	2.1	SUT Priority:	SOA	R	
			LSMS	N/A	
Objective:	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their				
	Customer TN Range Notification Indicator is set to their production value. New SP does not				
	submit their create reque	est. 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	<ol> <li>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.</li> <li>The SOA sends an M-ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML)</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC for the range of TNs they wish to create.		
2.	NPAC	<ol> <li>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.</li> <li>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.</li> </ol>	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- Authorization	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

			1	
		<ul> <li>subscriptionOldSP-</li> </ul>		
		AuthorizationTimeStamp		
		• subscriptionStatusChangeCause		
		Code (if subscriptionOldSP-		
		Authorization set to false)		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		<ul> <li>subscription versionbutdus</li> <li>subscription Timer Type (if</li> </ul>		
		supported)		
		• subscriptionBusinessType (if supported)		
		subscriptionOldSPMediumTim		
~	CD	erIndicator (if supported)	NDAG	
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.		
		<ul> <li>subscriptionVersionId</li> </ul>		
		<ul> <li>subscriptionTN</li> </ul>		
		-		
		• subscriptionOldSP		
		• subscriptionNewCurrentSP		
		• subscriptionOldSP-DueDate		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		AuthorizationTimeStamp		
		<ul> <li>subscriptionStatusChangeCa</li> </ul>		
		useCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		• subscriptionTimerType (if		
		supported)		
		• • • • • •		

	r	ſ	1	,,
		<ul> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionOldSPMediumT imerIndicator (if supported)</li> <li>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.</li> </ul>		
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	<ul> <li>NPAC SMS determines this is the first use for the NPA-NXX.</li> <li>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.</li> <li>2. NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to Old and New SP SOAs.</li> </ul>	SP	<ol> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ol>
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 <b>DOES NOT</b> 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.

			1	· · · · · · · · · · · · · · · · · · ·
		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		
		<ul> <li>subscriptionOldSP</li> </ul>		
		-		
		• subscriptionOldSP-DueDate		
		subscriptionOldSP-		
		Authorization		
		• subscriptionOldSP-		
		AuthorizationTimeStamp		
		subscriptionStatusChangeC		
		auseCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		<ul> <li>subscriptionTimerType (if</li> </ul>		
		supported)		
		• subscriptionBusinessType (if		
		supported)		
		• If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionNewSP-		
		CreateRequest in CMIP (or		
		VNIN –		
		SvNewSpCreateNotification in		
		XML) for each TN in the range.		
14.	SP	New SP SOA issues M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s)
		REPORT Confirmation(s) in CMIP		in CMIP (or NOTR – NotificationReply in XML) from the New
		(or NOTR – NotificationReply in		SP SOA.
		XML) to the NPAC SMS indicating		
		it successfully received the M-		
		EVENT-REPORT from the NPAC		
		SMS.		
15.	NPAC	NPAC SMS waits for concurrence	SP	New SP SOA <b>does not</b> respond to the create request and the
		from the New SP for the range of		Final Concurrence Window expires.
		TN's the Old SP created.		-
16.	NPAC	Once the Final Concurrence	SP	Old SP SOA receives the M-EVENT-REPORT
		Window has expired, the NPAC		subscriptionVersionRangeNewSP-
		SMS issues an M-EVENT-		FinalCreateWindowExpiration in CMIP (or VNFN –
		REPORT		SvNewSpFinalCreateWindowExpirationNotification in XML)
		subscriptionVersionRangeNewSP-		from the NPAC SMS according to their Final Create Window
		FinalCreateWindowExpiration in		Expiration Notification Indicator setting.
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	T	1	r	
		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		
		• end SVID		
		subscriptionOldSP		
		<ul> <li>subscriptionNewCurrentSP</li> </ul>		
		<ul> <li>subscriptionOldSP-DueDate</li> </ul>		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization		
		subscriptionOldSP-		
		AuthorizationTimeStamp		
		1		
		subscriptionStatusChangeC     sussCade (if		
		auseCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		• subscriptionTimerType (if		
		supported)		
		• subscriptionBusinessType (if		
		supported)		
		• If the setting is FALSE, no		
		notification is sent.		
17.	SP	Old SP SOA issues an M-EVENT-	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		
10		SMS.	ar	
18.	NPAC	If the Final Create Window	SP	New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or
		Expiration Notification Indicator is		(or VNFN –
		set to TRUE, NPAC SMS issues		SvNewSpFinalCreateWindowExpirationNotification in XML)
		and M-EVENT-REPORT to the		from the NPAC SMS according to the setting of their Final
		New SP SOA based on their		Create Window Expiration Notification Indicator.
		Customer TN Range Notification		
		Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues a		
		subscriptionVersionRangeNew		
		SP-		
		FinalCreateWindowExpiration		
		notification in CMIP (or (or		
		VNFN –		
		VINFIN -		

Image: SolvewSpFinalCreateWindowE         SPACewSpFinalCreateWindowE           Image: SolvewSpFinalCreateWindowE         Start SVID           Image: SolvewSpFinalCreateWindowExpression         SolvewSpFinalCreateWindowExpFinalCreateWindow	r			1	
19.         SP         If the contains the following antributes:         Subscription(DMSP)           • start SVID         • end SVID         • end SVID           • subscription(DMSP)         • subscription(DMSP)         • subscription(DMSP)           • spinal/ceateWindowExpiration <th></th> <th></th> <th>SvNewSpFinalCreateWindowE</th> <th></th> <th></th>			SvNewSpFinalCreateWindowE		
1         SP         If the notification was received the NPAC SMS indicating is subscription.         NPAC           12.         SP         If the notification may received the NPAC SMS indicating is successful (New SP SOA.)         NPAC           20.         NPAC         NPAC Personnel perform a query for the range of subscription (SP Personnel perform the cet cause)         NPAC           21.         SP         If the NATH Continue is the cause of the cet cause.         SP Personnel perform a query for the cause of the cet cause.         SP Personnel perform a query for the cause of the cet cause.			-		
Image: start TN end TN start SVID subscriptionOldSP 			•		
Image: Second					
19.         SP         If the notification varcerived the NPAC SMS does not send the notification to the New SP SOA.         NPAC         If sent, NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the NPAC SMS indicating it successfully received the Net NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.           20.         NPAC Option         NPAC         Preform a local guery for the Perform a local guery for the Net Net Net Net Net Net Net Net Net Net					
Image: Subscription CldSP subscription CldSP- DueDate subscription CldSP- Authorization TimeStamp subscription CldSP- Authorization Storage auseCode (if subscription CldSP- Authorization set to false) subscription Musices Type (if supported)Image: Subscription Provide the subscription Provide the subscription Provide the subscription Primal Create Window Expiration Nor (NFN ~ SVNewSpFinal Create Window Expiration Notification in XML) for each TN in the range. If the notification to the New SP SOA.NPAC SMS issues a subscription Primal Create Window Expiration Notification in XML) for each TN in the range. If the final Create Window Expiration Notification in XML) for each TN in the range.NPAC If set to FALSE, the NPAC SMS ones not end the notification to the New SP SOA.NPAC SMS issues a SOA.19.SPIf the notification Repty in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.NPAC SMS.20.NPAC Personnel perform a query proform a local query for the versions created in this test case.NPAC SMS.The subscription versions exist with a status of 'pending'.21.SP - OptionalOptional perform a local query for the versions exist with a status of 'pending'.SP			• end TN		
19.       SP       If the notification was received the NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationRept) in XML) to the NPAC SMS indicating it successfully received the M. EVENT-REPORT from the NPAC SMS.         20.       NPAC       NPAC Personnel perform a query NPAC       NPAC         21.       SP – Optional       NPAC SMS option to the successfully received the M- EVENT from the NPAC       SP         21.       SP – Optional       Value SOA (0.4) SP - Soand and and and perform a query perform a query option option was not called option to the subscription versions exist with a status of 'pending'.			start SVID		
* ubscriptionNewCurrentSP subscriptionOldSP- DucDate         * ubscriptionOldSP- Authorization         *           * subscriptionOldSP- AuthorizationTimeStamp         *         subscriptionOldSP- AuthorizationTimeStamp         *           * subscriptionOldSP- AuthorizationTimeType (if supported)         *         subscriptionOldSP- AuthorizationStatusChangeC         *           * subscriptionOldSP- AuthorizationTimeType (if supported)         *         subscriptionOldSP- Authorization set to false)         *           * subscriptionOldSP- Authorization set to false)         *         subscriptionOldSP- Authorization set to false)         *           * subscriptionOldSP- Authorization Notification in CMIP (or (VNFN - SVNewSpFinalCreateWindowExpration in functator is set to FALSE, the NPAC SMS does not end the notification to the New SP SOA.         NPAC <sup>19.</sup> SP         If the notification was received the New SP SOA issues M-EVENT- REPORT Confirmation(s) in CMIP (or NOTR - NotificationRept) in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.         NPAC <sup>20.</sup> NPAC         NPAC Personnel perform a query Via the SOA, OL SP Personnel         NPAC <sup>21.</sup> SP – Optima         SP – Optima         NPAC         SP			end SVID		
1*       SP       If the notification was received the notification to the New SP SOA.       NPAC         1*       SP       If the notification was received the New SP SOA.       NPAC         2*       SP       Value SOA, OI SP Personnel       SP			<ul> <li>subscriptionOldSP</li> </ul>		
Junc Due Date 			<ul> <li>subscriptionNewCurrentSP</li> </ul>		
19.       SP       If the notification was received the motification was received the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating is subscription       NPAC         19.       SP       If the softing is route was routed the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating is subscription       NPAC         20.       NPAC       NPAC       NPAC SMS indicating is test case.       NPAC         21.       SP – Via the SOA, Old SP Personnel       SP       The subscription versions exist with a status of 'pending'.			<ul> <li>subscriptionOldSP-</li> </ul>		
19.       SP       If the notification to the New SP-FinalCreate Window Expiration Notification SP SOA.       NPAC         19.       SP       If the notification was received the New SP SOA.       NPAC         19.       SP       If the notification in CMIP (or ONTR – NotificationReply in XML) to the NPAC SMS inclusing it successfully received the Meter SoA.       NPAC         20.       NPAC       NPAC Personnel perform a query for the SOA.       NPAC         21.       SP       Via the SOA, Old SP Personnel       SP         21.       SP       Via the SOA, Old SP Personnel       SP			DueDate		
19.       SP       If the notification was received the notification was received the notification on the New SP sol.       NPAC         19.       SP       If the notification was received the notification received the NPAC SMS indicating it successfully received the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the NPAC SMS.       NPAC         20.       NPAC       NPAC Personnel perform a query for the SOA, Old SP receives the M-EVENT receives the M-EVENT received			<ul> <li>subscriptionOldSP-</li> </ul>		
19.       SP       If the notification New SP SOA so not send the notification to the New SP SOA.         19.       SP       If the notification was received the New SP SOA.         19.       SP       If the notification Reply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT for the NPAC SMS indicating it successfully received the M-EVENT-REPORT for the NPAC SMS indicating it successfully received the M-EVENT-REPORT for the new SP SOA.         20.       NPAC       NPAC Personnel perform a query for the range of subscription versions exist with a status of 'pending'.         21.       SP – Via the SOA, Old SP Personnel       SP       The subscription versions exist with a status of 'pending'.			Authorization		
19.       SP       If the notification was received the notification to the New SP SOA.       NPAC         19.       SP       If the notification was received the New SP SOA.       NPAC         20.       NPAC       NPAC Personnel perform a query for the range of subscription       NPAC         21.       SP – Via the SOA, Old SP Personnel       NPAC       SP       The subscription version exist with a status of 'pending'.         21.       SP – Optional       Via the SOA, Old SP Personnel       SP       The subscription versions exist with a status of 'pending'.			<ul> <li>subscriptionOldSP-</li> </ul>		
auseCode (if subscriptionOldSP- Authorization set to false)       ausecriptionTimerType (if supported)       subscriptionTimerType (if supported)         • subscriptionBusinesSType (if supported)       • subscriptionBusinesType (if supported)       • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP- FinalCreateWindowExpiration in CMIP (or (VNFN - SvNewSpFinalCreateWindowE xpirationNotification in XML) for each TN in the range.       • If the Final CreateWindowE xpirationNotification in XML) for each TN in the range.         *       If the final Create Window Expiration Notification Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.       NPAC <sup>19.</sup> SP       If the notification may received the NEPORT 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         20.       NPAC       NPAC Personnel perform a query for the range of subscription versions created in this test case.       NPAC         21.       SP- Optiona       Via the SOA, Old SP Personnel perform a local query for the       SP       The subscription versions exist with a status of 'pending'.			AuthorizationTimeStamp		
Image: SubscriptionOldSP- Authorization set to false)Image: SubscriptionTimeType (if supported)Image: SubscriptionType (if supported)• subscriptionBusinessType (if supported)• subscriptionBusinessType (if supported)• subscriptionBusinessType (if supported)• If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP- FinalCreateWindowExpiration in CMIP (or (or VNFN - SvNewSpFinalCreateWindowExpiration Indicator is set to FALSE, the NPAC SMS does not send the notification to the New SP SOA.NPAC19.SPIf the notification range, NML to the NPAC SMS indicating it successfully received the NML to the NPAC SMS indicating it successfully received the N- EVENT-REPORT from the NPAC SMS.NPAC20.NPACNPAC Personnel perform a query for the range of subscription versions created in this test case.NPAC21.SP – OptionaVia the SOA, Old SP Personnel perform a local query for theSP21.SP – OptionaVia the SOA, Old SP Personnel perform a local query for theSP					
19.       SP       If the notification was received the NPAC SMS issues MEVENT-REPORT Confirmation(s) in CMIP (or NOTR – Notification Reply in XML) to the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicating is successfully received the M-EVENT-REPORT from the NPAC SMS indicati					
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21.     SP – Optiona     Via the SOA, Old SP Personnel perform a local query for the     SP     The subscription versions exist with a status of 'pending'.					
Image: second	20.	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'pending'.
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21.     SP – Optiona     Via the SOA, Old SP Personnel perform a local query for the     SP     The subscription versions exist with a status of 'pending'.			6 1		
Optiona perform a local query for the	21.			SP	The subscription versions exist with a status of 'pending'.
I         subscription versions created during		Optiona			· · · · ·
		1	subscription versions created during		

		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**

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

#### C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	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	<ol> <li>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.</li> <li>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.</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscription VersionNewSP-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

	1		1	
		versions on the NPAC SMS.		subscriptionCreationTimeStamp to the current date and time for
		2. The NPAC SMS proceeds to set		each subscription version.
		the Initial and Final Concurrence		
		Timers for this Subscription		
		Version based on the New		
		Service Provider Port-In Timer		
		Type and SP Business Type and		
		the Old Service Provider Port-		
		Out Timer Type and SP Business		
		Type settings in their respective		
		Customer Profiles and if both		
		Service Providers indicated in		
		the port request support the		
		Medium Timer Indicator, then		
		the		
		NewSPMediumTimerIndicator		
		value is also considered.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION
		subscriptionVersionNewSP-Create		subscriptionVersionNewSP-Create Response in CMIP (or
		Response in CMIP (or NCRR –		NCRR - NewSpCreateReply in XML) from the NPAC SMS
		NewSpCreateReply in XML) to the		indicating the subscription versions were successfully created,
		New SP SOA indicating the		the status is 'pending' and the subscriptionModifiedTimeStamp
		subscription versions were		and subscriptionCreationTimeStamp were set appropriately.
		successfully created.		
4.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VOCN – SvObjectCreationNotification in XML) from the
		subscriptionVersionRangeObjectCre		NPAC SMS.
		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.		
		<ul> <li>subscriptionVersionId</li> </ul>		
		<ul> <li>subscriptionTN</li> </ul>		
		<ul> <li>subscriptionOldSP</li> </ul>		
		<ul> <li>subscriptionNewCurrentSP</li> </ul>		
		-		
		• subscriptionNewSP-		
		CreationTimeStamp		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		<ul> <li>subscriptionTimerType (if</li> </ul>		
		supported)		
		• subscriptionBusinessType (if		
		supported)		
		<ul> <li>subscriptionNewSPMediumTim</li> </ul>		
		erIndicator (if supported)		
5.	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) from the New
1				
		NOTR – NotificationReply in		SP SOA.

		XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.		
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionId</li> <li>subscriptionNewSP- DueDate</li> <li>subscriptionNewSP- DueDate</li> <li>subscriptionVersionStatus</li> <li>subscriptionTimeStamp</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionNewSPMediu mTimerIndicator (if supported)</li> </ul> </li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreationNotification in XML) for each TN in the range.</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
7.	SP	Old SP SOA issues M-EVENT- REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT- REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription	NPAC	The subscription versions exist with a status of 'pending'.

		versions created in this test case.		
9.	SP – 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'.
10.	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 <b>DOES NOT</b> respond to the create request and the Initial Concurrence Window expires.
12.	NPAC	<ul> <li>Once the Initial Concurrence</li> <li>Window has expired, the NPAC</li> <li>SMS issues an M-EVENT-</li> <li>REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldS</li> <li>P-ConcurrenceRequest notification in CMIP (or VOIN – SvOldSpConcurrence</li> <li>Notification in XML) that contains the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionNewSP</li> <li>subscriptionNewSP</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-ConcurrenceRequest in CMIP (or VOIN – SvOldSpConcurrenceNotification TimeType (if supported)</li> </ul> </li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

13.	SP	Old SP SOA issues M-EVENT- REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA <b>DOES NOT</b> respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionTimerType (if supported)</li> </ul> </li> <li>If the setting is FALSE, NPAC SMS issues an M-EVENT- REPORT subscriptionVersionOldSP- FinalConcurrenceWindowExpir ation in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpir ation in CMIP (or VOFN – SvOldSpFinalConcurrenceWin dowExpirationNotification in XML) for each TN in the range.</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator
16.	SP	Old SP SOA issues M-EVENT- REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	If the SV old SP final concurrence timer expiration notify to new SP priority is set, NPAC SMS issues an M-EVENT-	SP	If the New Service Provider supports it, their SOA receives the M-EVENT-REPORT in CMIP (or VOFN – SvOldSpFinalConcurrenceWindowExpirationNotification in XML) at the Final Concurrence interval and issues an M-

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		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 1	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
<b>Revision Number:</b>		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:	
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	<ol> <li>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.</li> <li>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.</li> </ol>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT</li> <li>subscriptionVersionRangeObjectCre ation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionId</li> <li>subscriptionOldSP</li> <li>subscriptionNewCurrentSP</li> <li>subscriptionNewSP-DueDate</li> <li>subscriptionNewSP- CreationTimeStamp</li> <li>subscriptionTimerType (if supported)</li> <li>subscriptionNewSPMediumTim erIndicator (if supported)</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification</li> </ul>	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	
		<ul> <li>in XML) that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionId</li> <li>subscriptionOldSP</li> <li>subscriptionNewCurrentSP</li> <li>subscriptionNewSP-DueDate</li> <li>subscriptionNewSP-CreationTimeStamp</li> <li>subscriptionVersionStatus</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionNewSPMediu mTimerIndicator (if supported)</li> <li>If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation notification in CMIP (or VOCN –</li> </ul>		
7.	SP	SvObjectCreationNotification in XML). Old SP SOA issues M-EVENT- REPORT Confirmation(s) 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 Old SP SOA.
8.	NPAC	from the NPAC SMS. 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, 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.
11.	SP	<ol> <li>Using the SOA, Old SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC for the same TN as created by the New SP in Row</li> </ol>	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.

	<ol> <li>The SOA sends an M-ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC for the TN.</li> </ol>		
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.
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
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.
NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionTimerType (if supported)</li> </ul> </li> </ul>	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.
	SP	subscription VersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC for the TN.NPACNPAC SMS issues an M-SET Request subscription VersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.NPACNPAC 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.SPOld SP SOA indicating the subscription version in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.NPACNPAC 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 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 SVID     subscriptionOldSP- DueDatesubscriptionOldSP- Authorization        	2. The SOA sends an M-ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC for the TN.         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       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         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       NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.       SP         NPAC       NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.       SP         NPAC       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 subscriptionOldSP- DueDate       subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization

		<ul> <li>(if supported)</li> <li>subscriptionOldSPMedium TimerIndicator (if supported)</li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN</li></ul>		
16.	SP	Old SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
17.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT</li> <li>subscriptionVersionRangeAttribute</li> <li>ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio</li> <li>n in XML) for the TN to the New</li> <li>SP SOA that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP-DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionOldSPMediumTime rIndicator (if supported)</li> </ul>	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.

#### A. <u>TEST IDENTITY</u>

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	<b>Relevant Flow(s):</b>	B.5.1.1, B.5.1.4.3, B.5.1.4.4

#### C. **PREREQUISITE**

THEREQUISITE	T
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	<ol> <li>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.</li> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA (SPID B) and verifies that each attribute specified is valid according to system requirements.

		A's SOA association.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC for the TN and issues an M- CREATE Response subscriptionVersionNPAC to itself for the TN to set the subscription versions status to 'pending' and set the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp to the current date and time for the subscription versions.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA (SPID B) indicating the subscription versions were successfully created.	SP	Old SP SOA (SPID B) receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionOldSP- AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT- REPORT 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- AuthorizationTimeStamp • subscriptionStatusChangeCause Code (if subscriptionOldSP- Authorization set to false) • subscriptionVersionStatus • subscriptionTimeType (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).

		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 (SPID A) receives the M-EVENT-REPORT
		REPORT		subscriptionVersionRangeObjectCreation in CMIP (or VOCN –
		subscriptionVersionRangeObjectCre		SvObjectCreationNotification in XML) for the TNs
		ation notification in CMIP (or		
		VOCN –		
		SvObjectCreationNotification in		
		XML) to the New SP SOA (SPID		
		A) that contains the following		
		attributes:		
		• start TN		
		<ul> <li>end TN</li> </ul>		
		start SVID		
		• end SVID.		
		• subscriptionVersionId		
		• subscriptionTN		
		subscriptionOldSP		
		<ul> <li>subscriptionNewCurrentSP</li> </ul>		
		<ul> <li>subscriptionOldSP-DueDate</li> </ul>		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		AuthorizationTimeStamp		
		• subscriptionStatusChangeCause		
		Code (if subscriptionOldSP-		
		Authorization set to false)		
		subscriptionVersionStatus		
		• subscriptionTimerType (if		
		supported)		
		• subscriptionBusinessType (if		
		supported)		
		<ul> <li>subscriptionOldSPMediumTim</li> </ul>		
		erIndicator (if supported)		
7.	SP	New SP SOA (SPID A) issues an	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		M-EVENT-REPORT Confirmation		CMIP (or NOTR – NotificationReply in XML) from the New
		in CMIP (or NOTR –		SP SOA (SPID A).
		NotificationReply in XML)		
		indicating it successfully received		
		the M-EVENT-REPORT from the		
		NPAC SMS.		
8.	NPAC		NPAC	The subscription versions exist with a status of 'mending'
0.	INI AC	NPAC Personnel perform a query	INI AC	The subscription versions exist with a status of 'pending'.
		for the subscription versions created		
0	CD	in this test case.	CD	
9.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with a status of 'pending'.
	Optiona 1	(SPID B) perform a local query for		
	1	the subscription versions created		
10		during this test case.		
10.	SP –	Old SP Personnel (SPID B) perform	SP	The subscription versions exist with a status of 'pending' on the
	Conditi	an NPAC SMS query for the		NPAC SMS.
1	onal			

		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) <b>does not</b> respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	<ul> <li>Once the Initial Concurrence</li> <li>Window has expired, the NPAC</li> <li>SMS issues an M-EVENT-</li> <li>REPORT</li> <li>subscription/versionRangeNew SP-</li> <li>CreateRequest notification in CMIP</li> <li>(or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>XML) to the New SP SOA (SPID</li> <li>A) that contains the following</li> <li>attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>subscriptionOldSP</li> <li>subscriptionOldSP-</li> <li>Authorization</li> <li>subscriptionOldSP-</li> <li>Authorization</li> <li>subscriptionOldSP-</li> <li>AuthorizationTimeStamp</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> </ul>	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) <b>does not</b> 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.

· · · · ·		1	
	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: • start TN • end TN • start SVID • subscriptionOldSP • subscriptionOldSP • subscriptionOldSP- DueDate • subscriptionOldSP- Authorization • subscriptionOldSP- Authorization • subscriptionOldSP- Authorization • subscriptionOldSP- AuthorizationStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false) • subscriptionTimeType (if supported) • subscriptionBusinessType (if supported)		
16 00	If the setting is FALSE, no notification is sent.		
16. SP	If the notification was received, the Old SP SOA (SPID B) issues an M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	If sent, the NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA (SPID B).
17. NPAC	Once the final Concurrence Window has expired the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpir ationNotification in XML) to the New SP SOA (SPID A) according to their Final Create Window Expiration Notification Indicator setting	SP	New SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML) from the NPAC SMS according to the setting of their Final Create Window Expiration Notification Indicator.

		<ul> <li>If the setting is TRUE, they will receive the M-EVENT-REPORT subscription VersionNewSP-FinalCreateWindowExpiration notification that contains the following attributes:         <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP</li> <li>subscriptionOldSP-DueDate</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-AuthorizationTimeStamp</li> <li>subscriptionOldSP-AuthorizationTimeStamp</li> <li>subscriptionOldSP-AuthorizationTimeType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> </ul> </li> </ul>		
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.

#### A. <u>TEST IDENTITY</u>

Test Case Number:	2.5	SUT Priority:	SOA	С			
			LSMS	N/A			
<b>Objective:</b>	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				

#### B. **REFERENCES**

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

#### C. PREREQUISITE

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 or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>SPID A issues an M-ACTION Request subscriptionVersionNewSP-</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

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

6.	NPAC	NPAC SMS issues an M-EVENT- REPORT ObjectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP SOA (SPID A) for each TN in the range.	SP	New SP SOA (SPID A) receives the M-EVENT-REPORTs in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
7.	SP	New SP SOA (SPID A) issues M- EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORTs from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA (SPID A).
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
9.	SP – Optiona l	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) <b>does not</b> respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	<ul> <li>Once the Initial Concurrence</li> <li>Window has expired, the NPAC</li> <li>SMS issues an M-EVENT-</li> <li>REPORT</li> <li>subscription/VersionRangeOld SP-</li> <li>CreateRequest notification in CMIP</li> <li>(or VOIN –</li> <li>SvOldSpConcurrenceNotification in</li> <li>XML) to the Old SP SOA (SPID B)</li> <li>that contains the following</li> <li>attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionNewSP</li> <li>subscriptionNewSP-DueDate</li> <li>subscriptionNewSP-CreationTimeStamp</li> <li>subscriptionBusinessType (if supported)</li> </ul>	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) <b>DOES NOT</b> respond to the create request and the Final Concurrence Window expires.
15.	NPAC	<ul> <li>Once the Final Concurrence</li> <li>Window has expired, the NPAC</li> <li>SMS issues an M-EVENT-</li> <li>REPORT</li> <li>subscriptionVersionRangeOldSP-</li> <li>FinalConcurrenceWindowExpiratio</li> <li>n notification in CMIP (or VOFN –</li> <li>SvOldSpFinalConcurrenceWindow</li> <li>ExpirationNotification in XML) to</li> <li>the Old SP SOA (SPID B)that</li> <li>contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> </ul>	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. <u>TEST IDENTITY</u>

Test Case Number:	2.6	SUT Priority:	SOA	R			
			LSMS	N/A			
<b>Objective:</b>	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription						
	versions. Their Custome	r TN Range Notification	Indicator is set to their p	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	<b>Relevant Flow(s):</b>	B.5.1.5, B.5.1.6

#### C. **PREREQUISITE**

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 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.

	1			
2.	NPAC	<ul> <li>range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above.</li> <li>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.</li> </ul>	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC
2.	NI AC	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.	NI AC	from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues two M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX. One M-CREATE Request is sent for the first 500 TNs with one set of DPC/SSN data and another M- CREATE Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.	SP	<ol> <li>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.</li> <li>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.</li> <li>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.</li> </ol>
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT subscriptionVersionRangeStatu</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.

		sAttributeValueChange		
		notification in CMIP (or VATN		
		_ ``		
		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		
		status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
/.	51		INI AC	
		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		
L	1	subscription versionikungebiatu	1	

	1			
		<ul> <li>sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the second set of 500 TNs that contain the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> </ul> </li> <li>subscriptionVersionStatus <ul> <li>active'</li> </ul> </li> <li>If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange notification in CNIP (CNIP)</li> </ul>		
		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 l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol> <li>On the SOA, the subscription versions exist with an empty Failed SP List.</li> <li>On the LSMS, the subscription versions exist with a status of 'active'.</li> </ol>
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.

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.7	SUT Priority:	SOA	С			
			LSMS	N/A			
<b>Objective:</b>	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range						
	Notification Indicator is set to TRUE. In the pre-requisite SV create process the range is						
	submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same						
	feature data. 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	ita. – 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	<b>Relevant Flow(s):</b>	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.
	4. Verify that 'active' subscription versions do not currently exist for the range of 200 TNs to be used in this Test Case.
	5. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for the subscription versions to be activated during this test case.
	6. Verify that that Due Date has been reached for activating these subscription versions.
	7. Verify that system setup and filters are set such that the subscription versions can be successfully activated.
Prerequisite SP Setup:	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non- ported TNs, with one set of DPC/SSN data.
_	2. Immediately create another range of 100 Inter-Service Provider subscription versions using
	the next 100 consecutive non-ported TNs with the same set of DPC/SSN data as the first
	100 TN range. For example, create 1000-1099 with and then immediately create 1100-1199
	with the same set of DPC/SSN data.
	3. Verify that the SVIDs are consecutive for the full 200 TNs.

# D. TEST STEPS and EXPECTED RESULTS

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

		the range of 200 consecutive TNs described in the prerequisites above.		
		<ol> <li>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.</li> </ol>		
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	<ol> <li>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.</li> <li>All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific</li> </ul>	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.

		-	
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	NDAC SMS manipus the M EVENT DEDORT Confirmation in
	Old SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
8. NPAC	NPAC SMS issues one M-EVENT- REPORTsubscriptionVersionRangeStatusAttributeValueChange 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 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol> <li>On the SOA, the subscription versions exist with an empty Failed SP List.</li> <li>On the LSMS, the subscription versions exist with a status of 'active'.</li> </ol>
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.

		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	<b>Relevant Flow(s):</b>	B5.1.5, B.5.1.6

### C. PREREQUISITE

Promo guigito Togt	
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	<ol> <li>Using the SOA, New SP Personnel submit a request to the NPAC to activate a single Inter-Service Provider subscription version.</li> <li>The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the TN.</li> </ol>	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	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC
		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.		from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'sending' and set the subscriptionBroadcastTimeStamp to the current date and time for the TN.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-CREATE Requests subscriptionVersion in CMIP (or SVCD – SvCreateDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	<ol> <li>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.</li> <li>All LSMSs in the region issue an M-CREATE Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionStatus = 'active'</li> </ul> </li> </ul>	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.

	1			
		EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange notification in CMIP (or VATN –		
		SvAttributeValueChangeNotific		
		ation in XML) for the TN		
		indicating the status is 'active'.		
7.	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 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 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 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 the TN that		
9.	SP	indicates the status is 'active':	NPAC	NDAC CMC magnings the M EVENT DEDODT Conference
9.	Sr	New SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or	INPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTP – NotificationPanky in XML) for the TN
		NOTR – NotificationReply in		CMIP (or NOTR – NotificationReply in XML) for the TN.
		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		Failed SP List.
		the subscription version activated		2. On the LSMS, the subscription version exists with a status
	1	during this test case.		of 'active' and SV Type and Optional Data element values

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				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.

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.9	SUT Priority:	SOA	С			
			LSMS	N/A			
<b>Objective:</b>	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 proce	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	<b>Relevant Flow(s):</b>	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
1	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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			10.0	
1.	SP	<ol> <li>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.</li> <li>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.</li> </ol>	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	<ol> <li>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.</li> <li>All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT</li> </ul>	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.

7. SP	<ul> <li>subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the 500 TNs that contains the following attributes: <ul> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus = 'active'</li> </ul> </li> <li>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'.</li> <li>Old SP SOA issues M-EVENT- REPORT Confirmations in CMIP (or NOTR – NotificationReply in</li> </ul>	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
	XML) to the NPAC SMS.		
8. NPAC	<ul> <li>NPAC SMS issues one M-EVENT- REPORT</li> <li>subscriptionVersionRangeStatusAttr</li> <li>ibuteValueChange notification in</li> <li>CMIP (or VATN –</li> <li>SvAttributeValueChangeNotificatio</li> <li>n in XML) to the New SP SOA for</li> <li>the 500 TNs that contains the</li> <li>following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus =</li> <li>'active'</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9. SP	New SP SOA issues one M- EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10. NPAC	NPAC Personnel perform a query for the range of subscription versions activated in this test case.	NPAC	The subscription versions exist with a status of 'active' with an empty Failed SP List.
11. SP – Optiona 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol> <li>On the SOA, the subscription version exists with an empty Failed SP List.</li> <li>On the LSMS, the subscription version exists with a status of 'active'.</li> </ol>
12. SP – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions activated	SP	The subscription versions exist with a status of 'active' with an empty Failed SP List on the NPAC SMS.

		during this test case.		
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that	NPAC	Using the Audit Results Log verify that no updates were made 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	<b>Relevant Flow(s):</b>	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	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or ACTQ – ActivateRequest in XML) from the New SP SOA.

		1	1	
		<ul> <li>prerequisites above.</li> <li>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.</li> </ul>		
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	<ol> <li>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.</li> <li>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.</li> <li>One LSMS in the region issues the following responses:</li> <li>M-CREATE Response indicating success for the first 25 TNs (for example 1000-1024).</li> <li>M-CREATE Response indicating failure for the next TN (for example 1025).</li> <li>M-CREATE Response indicating success for the next 45 TNs (for example 1026-1070).</li> <li>M-CREATE Response indicating failure for the next TN (for example 1071).</li> <li>M-CREATE Response indicating success for the next 28 TNs (for example 1072-1099).</li> <li>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.</li> </ol>
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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<u>г г</u>		
	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 vivili)	
	- SyAttributeValueChangeNotifie	
	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	
	nonneation in Civilir (or VATIN	
	– Sy Attribute Velue Chenge Notifie	
	SvAttributeValueChangeNotific	
	ation in XML) for the next TN	
	(1025) that contains the	
	following attributes:	
	• start TN	
	• end TN	
	start SVID	
	• end SVID.	
	<ul> <li>subscriptionVersionStatus</li> </ul>	
	= '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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		= '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:		
		<ul> <li>start TN</li> </ul>		
		• end TN		
		• start SVID		
		• end SVID.		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		= 'partial-failed'		
		<ul> <li>subscriptionVersionFailedS</li> </ul>		
		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		
		<ul> <li>end SVID</li> </ul>		
		• 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	NPAC SMS receives the M-EVENT-REPORT Confirmations
		<b>REPORT</b> Confirmations in CMIP		in CMIP (or NOTR – NotificationReply in XML) from the Old
		(or NOTR – NotificationReply in		SP SOA.
	·		•	

	Σ	XML) to the NPAC SMS.		
8. NP.	r 1	<ul> <li>NPAC SMS issues the following notifications to the New SP SOA:</li> <li>An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN <ul> <li>SvAttributeValueChangeNotific ation in XML) for the range of 28 TNs (1000-1024) that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionStatus = 'active'</li> </ul> </li> <li>An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for 1 TN (1025) that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionStatus = 'partial-failed'</li> <li>subscriptionVersionFailedS P-List</li> <li>An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the range of 45 TNs (1026-1070) that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> <li>subscriptionVersionStatus = 'active'</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORTs in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

9.	SP NPAC	<ul> <li>4. An M-EVENT-REPORT subscription VersionRangeStatu sAttribute ValueChange in CMIP (or VATN – SvAttribute ValueChangeNotific ation in XML) for 1 TN (1071) that contains the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> </ul> </li> <li>subscriptionVersionStatus <ul> <li>'partial-failed'</li> <li>subscriptionVersionFailedS</li> <li>P-List</li> </ul> </li> <li>5. An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN</li> <li>SvAttributeValueChange notification in CMIP (or VATN</li> <li>SvAttributeValueChangeNotific ation in XML) for the range of 28 TNs (1072-1099) that contains the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> </ul> </li> <li>subscriptionVersionStatus <ul> <li>active'</li> </ul> </li> </ul>	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations in CMIP (or NOTR – NotificationReply in XML).         1. Subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099).
		for the range of subscription versions.		2. Subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).
11.	SP – Optiona I	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol> <li>On the SOA, subscription version exists with an empty Failed SP List for 98 TNs (1000-1024, 1026-1070 and 1072-1099).</li> <li>On the SOA, subscription versions exist with a Failed SP List for 2 TNs (1025 and 1071).</li> <li>On the LSMS, subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072- 1099).</li> </ol>

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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# A. <u>TEST IDENTITY</u>

Test Case Number:	2.11	SUT Priority:	SOA	R	
			LSMS	N/A	
<b>Objective:</b>	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**

REFERENCES			
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		Number(s):	
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

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	<ol> <li>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.</li> <li>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.</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

		to 'sending' and the		
		subscriptionBroadcastTimeStamp to		
		the current date and time for each		
	_	TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION	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		
	NELG	TN in the request.	GD	
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		
		<ul> <li>end TN</li> <li>start SVID</li> </ul>		
		<ul> <li>start SVID</li> <li>end SVID.</li> </ul>		
		<ul> <li>subscriptionVersionStatus</li> <li>active'</li> </ul>		
		• 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		1	

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	<b>Relevant Flow(s):</b>	B.5.2.1

### C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol> <li>Verify that the New SP Customer TN Range Notification Indicator is set to their production value.</li> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for the New Service Provider.</li> <li>Verify that a subscription version exists with a status of 'active' for the New SP.</li> <li>If the Service Provider under test supports Optional Data elements, this data should be configured for the range of SVs.</li> </ol>
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	<ol> <li>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.</li> <li>Required data includes:         <ul> <li>LRN</li> <li>SV Type – if supported by the Service Provider SOA</li> <li>Optional Data includes:</li> <li>CNAM DPC</li> <li>CNAM SSN</li> <li>ISVM DPC</li> <li>ISVM SSN</li> <li>CLASS DPC</li> <li>CLASS SSN</li> <li>LIDB DPC</li> </ul> </li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.

		<ul> <li>LIDB SSN</li> <li>WSMSC-DPC – if supported by the Service Provider SOA</li> <li>WSMSC-SSN – if supported by the Service Provider SOA</li> <li>Billing Service Provider ID</li> <li>End-User Location - Value</li> <li>End-User Location – Type</li> <li>Optional Data elements – if supported by the Service Provider SOA</li> <li>2. The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TN.</li> </ul>		
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	<ol> <li>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.</li> <li>All LSMSs in the region issue an M-SET Response subscriptionVersion in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>
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.

		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 • SVID • subscriptionVersionStatus = 'active'		
7.	SP	New SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'active' with an empty Failed SP List.
9.	SP	Via their SOA &/or LSMS, SP Personnel perform a local query for the subscription version modified during this test case.	SP	<ol> <li>On the SOA, the subscription version exists with an empty Failed SP List.</li> <li>On the LSMS, the subscription version exists with a status of 'active' and the SV Type and Optional Data element values as they support them.</li> </ol>
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' with an empty Failed SP List on the NPAC SMS
11.	NPAC	NPAC Personnel perform a full audit of LSMS for the TNs that were modified during this test case.	NPAC	Using the Audit Results Log verify that no updates were made as a result of performing the audit. If updates were made, the LSMS fails this test case.

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 subscriptio	n version status of 'activ	e' 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	<b>Relevant Flow(s):</b>	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	<ol> <li>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.</li> <li>The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TNs.</li> </ol>	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.

	1		1	
		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		5 1 5 /
		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-		<ol> <li>NPAC SMS retries any LSMS that has not responded.</li> </ol>
		NXX.		<ol> <li>At least one LSMS in the region does not respond back to</li> </ol>
		NAA.		
~	NELG		NDIG	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		
		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		
		nounceation in civili (or vivility		
		SvAttributeValueChangeNotific		
		ation in XML) to the New SP		
		SOA that contains the following		
		attributes:		
		• start TN		
		• end TN		
		start SVID		
		• end SVID.		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		= '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		
L	1	une range, to the new SI SOA	I	

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
		REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.		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 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version modified during this test case.	SP	<ol> <li>On the SOA, the subscription version exists with a status of 'active' and a Failed SP List.</li> <li>On the LSMS, the subscription version exists with a status of 'active'.</li> </ol>
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.

Test Case Number:	2.14	SUT Priority:	SOA	С		
			LSMS	N/A		
<b>Objective:</b>	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**

KEFERENCES			
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		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	<ol> <li>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.</li> <li>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.</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the New SP SOA.

2.	NPAC	NDAC SMS locates the respective	NPAC	NDAC SMS receives the M SET subscription Version 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	<ul> <li>SP SOA.</li> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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:         <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionNewSP- DueDate</li> </ul> </li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN</li> </ul> <li>SvAttributeValueChange notification in CMIP (or VATN</li>	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.

		<ul> <li>n in XML) to the New SP SOA for the range of 10 TNs that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionNewSP-DueDate</li> </ul>		
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	<ol> <li>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.</li> <li>The SOA issues an M-ACTION subscriptionVersionModify Request in CMIP (or MODQ – ModifyRequest in XML) to the NPAC SMS and specifies the TN.</li> <li>NOTE: if you modify the due date, specify a date that is greater than or equal to the NPA-NXX Live Timestamp.</li> </ol>	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	Old SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	<ul> <li>SP SOA.</li> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP- DueDate.</li> </ul> </li> <li>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 – SvAttributeValueChangeNotific ation in XML) for the TN containing the subscriptionOldSP-DueDate and the SVID.</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT</li> </ul>	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.

		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		
		<ul> <li>If the setting is FALSE, the NPAC SMS issues one M- EVENT REPORT attributeValueChange notification in CMIP (or VATN         <ul> <li>SvAttributeValueChangeNotific ation in XML) for the TN containing the</li> </ul> </li> </ul>		
		subscriptionOldSP-DueDate and the SVID.		
7.	SP	New SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
8.	NPAC	NPAC Personnel perform a query for the range of subscription version modified in this test case.	NPAC	The subscription version exists with a status of 'pending' and the new due date for the New SP.
9.	SP – 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.

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.16	SUT Priority:	SOA	R
			LSMS	N/A
Objective:			icator is set to their prod mitted as two smaller ra ous within each range cro	uction value. In the nge creates, each with eate. The immediate

# 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 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	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-
Setup:	ported TNs, with one set of DPS/SSN data.
_	2. Create another range of 250 Inter-Service Provider subscription versions using the previous
	250 consecutive non-ported TNs, with the same DPC/SSN data as in the previous range.
	3. Activate all 500 of these TNs.
	4. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

# D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>The SOA issues an M-ACTION Request subscriptionVersionDisconnect in CMIP (or DISQ –</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA.

-	1	1	1	
		DisconnectRequest in XML) to		
		the NPAC SMS and specifies		
		the range of TNs and the		
		current date.		
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 subscription version status		
		to 'disconnect-pending' for each TN in the range.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION Response in CMIP (or
5.	MAC	Response in CMIP (or DISR –	51	DISR – DisconnectReply in XML) from the NPAC SMS.
		DisconnectReply in XML) to the		DISK – Disconnectkepty in AML) from the NFAC SMS.
		New SP SOA.		
4.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
	1.1.10	Request to itself to set the		Response to itself.
		subscription version status to		
		'sending' and set the		
		subscriptionCustomerDisconnectDat		
		e and		
		subscriptionBroadcastTimeStamp to		
		the current date and time for all TNs		
		in the range.		
5.	NPAC	NPAC SMS issues an M-EVENT	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Donor SP based on		VCDN – SvCustomerDisconnectDateNotification in XML)
		their Customer TN Range		from the NPAC SMS according to their Customer TN Range
		Notification Indicator.		Notification Indicator and issues the M-EVENT-REPORT
		• If the setting is TRUE, the		Confirmation in CMIP (or NOTR – NotificationReply in XML)
		NPAC SMS issues one M-		back to the NPAC SMS.
		EVENT-REPORT subscription		
		VersionRangeDonorSP-		
		CustomerDisconnectDatenotific		
		ation in CMIP (or VCDN –		
		SvCustomerDisconnectDateNot		
		ification in XML) for the 500		
		TNs that contains the following attributes:		
		<ul> <li>paired list of TNs and</li> </ul>		
		• paried list of Thy and SVIDs		
		<ul> <li>subscriptionVersionCusto</li> </ul>		
		merDisconnectDate		
		• 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 500 indicating		
		the disconnect date.		

6. NPA	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	<ol> <li>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.</li> <li>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.</li> <li>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.</li> </ol>
7. NPA	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. NPA	<ul> <li>REPORT to the New SP SOA based on their TN Range Notification Indicator.</li> <li>If the setting is TRUE, NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) to the New SP SOA for the 500 TNs that contains the following attributes: <ul> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus = 'old'</li> </ul> </li> <li>If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttributeValueChangeNotific ation in XML) for each TN in the range indicating the status is now 'old'.</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9. SP	New SP SOA issues M-EVENT- REPORT Confirmation(s) in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).

10.	NPAC	NPAC Personnel perform a query for the range of subscription versions disconnected in this test case.	NPAC	The subscription versions exist with a status of 'old'.
11.	SP – Optiona 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	<ol> <li>On the SOA, the subscription versions are not found or they exist with a status of 'old'.</li> <li>On the LSMS, the subscription versions no longer exist.</li> </ol>
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		
<b>Objective:</b>	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					
	disconnect results in one	notification to the Dono	or Service Provider Su	ccess		

#### B. **REFERENCES**

KETEKEIUCES			
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		Number(s):	
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.

	1	e and		
		subscriptionBroadcastTimeStamp to		
		the current date and time for all TNs		
4.	NPAC	<ul> <li>in the range.</li> <li>NPAC SMS issues one M-EVENT- REPORT subscription</li> <li>VersionRangeDonorSP- CustomerDisconnectDate</li> <li>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:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionCustomerDi sconnectDate</li> <li>subscriptionEffectiveReleaseDa te</li> </ul>	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	<ol> <li>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.</li> <li>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.</li> <li>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.</li> </ol>
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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT subscription VersionRangeStatusAttributeVa lueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

		<ul> <li>ation in XML) for the range of 5 TNs that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionStatus ='old'</li> <li>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).</li> </ul>		
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 perfo	rm an immediate disconr	nect for a range of 10			
	'active' subscription ver	sions. Their Customer Th	N Range Notification Inc	licator is set to TRUE.			
	In the prerequisite create	e process the range is sub	mitted as two smaller rai	nges. 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 results						
	in one notification becau	se the TNs and SVIDs a	re both contiguous and a	ll TNs in the range			
	have the same feature da	ata. – 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	<b>Relevant Flow(s):</b>	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.
	2. Immediately create another range of 5 Inter-Service Provider subscription versions using the
	next 5 consecutive non-ported TNs with the same set of DPC/SSN data as the first 5 TN
	range. For example, create 1000-1004 with and then immediately create 1005-1009 with
	the same set of DPC/SSN data.
	3. Verify that the SVIDs are consecutive for the full 10 TNs.
	4. Activate the range of 10 subscription versions.
	5. Verify that the SVs for the range of 10 TNs have a status of 'active'.

#### D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>The SOA issues an M-ACTION</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the Current SP SOA.

		subscriptionVersionDisconnect		
		Request in CMIP (or DISQ –		
		DisconnectRequest in XML) to		
		the NPAC SMS and specifies		
		the range of TNs.		
2.	NPAC	NPAC SMS locates the respective	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 subscription version status		
		to 'disconnect-pending' and the		
		subscriptionCustomerDisconnectDat		
		e according to the disconnect		
2	NIDAC	request for each TN in the range.	CD	
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Current SP SOA receives the M-ACTION Response in CMIP
		Response in CMIP (or DISR –		(or DISR – DisconnectReply in XML) from the NPAC SMS.
		DisconnectReply in XML) to the		
		Current SP SOA.		
4.	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.
		subscription version status to		
		'sending' and set the		
		subscriptionModifiedTimeStamp		
		and		
		subscriptionBroadcastTimeStamp to		
		the current date and time for all TNs		
		in the range.		
5.	NPAC	NPAC SMS issues an M-EVENT-	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Donor SP based on		VCDN – SvCustomerDisconnectDateNotification in XML)
		their Customer TN Range		from the NPAC SMS according to their Customer TN Range
		Notification Indicator.		Notification Indicator, and issues an M-EVENT-REPORT
		• If the setting is TRUE, the		Confirmation in CMIP (or NOTR – NotificationReply in XML)
		NPAC SMS issues an M-		to the NPAC SMS.
		EVENT-REPORT		
		subscriptionVersionRangeDono		
		rSP-CustomerDisconnectDate		
		notification in CMIP (or VCDN		
		nouncation in Civily (or vCDN		
		- SuCustomorDiscoursetDateNet		
		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	SP	1 All I CMCs in the marine according downloads for this
0.	MAC	scoped/filtered Requests in CMIP	51	<ol> <li>All LSMSs in the region accepting downloads for this NPA-NXX receives the M-ACTION Request in CMIP (or</li> </ol>
		(or SVDD – SvDeleteDownload in		SVDD – SvDeleteDownload in XML) and verify that the
		XML) subscriptionVersion for the		request is valid.
		range of TNs being disconnected to		<ol> <li>All LSMSs in the region issue an M-DELETE Response</li> </ol>
		all LSMSs in the region accepting		subscription Version in CMIP (or DNLR – DownloadReply
		downloads for this NPA-NXX.		in XML) back to the NPAC SMS.
				3. After each LSMS responds to the NPAC SMS, the LSMSs
				perform the subscription version deletes on the local system
				as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscription version status to 'old'		
		and set the		
		subscriptionModifiedTimeStamp		
		and		
		subscriptionDisconnectCompleteTi		
		meStamp to the current date and		
		time for all TNs in the range.		
8.	NPAC	NPAC SMS issues one M-EVENT-	SP	Current SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VATN – SvAttributeValueChangeNotification in XML) from
		subscriptionVersionRangeStatusAttr		the NPAC SMS.
		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:		
		<ul> <li>start TN</li> <li>end TN</li> </ul>		
		<ul> <li>end TN</li> <li>start SVID</li> </ul>		
		<ul> <li>start SVID</li> <li>end SVID</li> </ul>		
		<ul> <li>subscriptionVersionStatus = 'old'</li> </ul>		
9.	SP	Current 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) for the 10 TNs.
		CMIP (or NOTR –		
		NotificationReply in XML) to the		
		NPAC SMS for the range of 10 TNs.		
10.			10010	
	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'old'
	NPAC	NPAC Personnel perform a query for the range of subscription	NPAC	The subscription versions exist with a status of 'old'.

		versions activated in this test case.		
11.	SP – Optiona 1	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	<ol> <li>On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List.</li> <li>On the LSMS, the subscription versions do not exist.</li> </ol>
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	<ol> <li>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.</li> <li>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.</li> </ol>	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	<ul> <li>NPAC SMS issues an M-EVENT REPORT to the Donor SP based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionCusto merDisconnectDate</li> </ul> </li> <li>subscriptionEffectiveRelea seDate</li> <li>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.</li> </ul>	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	<ol> <li>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.</li> <li>All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>

7.	NDAC		NDAC	
	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 single TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID.</li> </ul> </li> <li>SubscriptionVersionStatus = 'old'</li> <li>If the setting is FALSE, NPAC SMS issues a subscriptionVersionStatusAttrib uteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) indicating the</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
9.	SP	status is now 'old' for the TN. New SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the single TN.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML).
10.	NPAC	NPAC Personnel perform a query for the subscription version disconnected in this test case.	NPAC	The subscription version exists with a status of 'old'.
11.	SP – Optiona l	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version disconnected during this test case.	SP	<ol> <li>On the SOA, the subscription version is not found or it exists with a status of 'old'.</li> <li>On the LSMS, the subscription version no longer exists.</li> </ol>
12.	SP – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription version disconnected	SP	The subscription version exists with a status of 'old' on the NPAC SMS.

		during this test case.		
13.	NPAC	NPAC Personnel perform a full audit of LSMS for the TN that was	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.

# A. <u>TEST IDENTITY</u>

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**

Dronoguigito Tost	
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	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA.

r			r	1
2.	NDAC	<ul> <li>A) association.</li> <li>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.</li> </ul>	NDAC	
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	<ul> <li>NPAC SMS issues an M-EVENT REPORT subscription</li> <li>VersionRangeDonorSP- CustomerDisconnectDate</li> <li>notification in CMIP (or VCDN – SvCustomerDisconnectDateNotifica</li> <li>tion in XML) to the Donor SP</li> <li>(SPID B) for the range of 5 TNs that</li> <li>contains the following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionCustomerDi sconnectDate</li> <li>subscriptionEffectiveReleaseDa te</li> </ul>	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	<ol> <li>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.</li> <li>All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system</li> </ol>

				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 l	Via their SOA &/or LSMS, New SP Personnel (SPID A) perform a local query for the subscription versions disconnected during this test case.	SP	<ol> <li>On the SOA, the subscription versions are not found or they exist with a status of 'old'.</li> <li>On the LSMS, the subscription versions no longer exist.</li> </ol>
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		
<b>Objective:</b>	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

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.
	<ol> <li>Verify that the Customer TN Range Notification Indicator is set to the production value for SPID B.</li> </ol>
	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	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA (SPID B).

r	1		1	
		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		
2.	NDAC	current date.	NDAC	NDACIONO
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 subscription versions		
		Status to 'disconnect-pending' for		
		the TNs.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	New SP SOA (SPID B) receives the M-ACTION Response in
2.	in ne	Response in CMIP (or DISR –	51	CMIP (or DISR – DisconnectReply in XML) from the NPAC
		DisconnectReply in XML) to the		SMS.
		New SP SOA (SPID B).		
4.	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	1,1710	Response to itself.
		subscription version status to		Response to user.
		'sending' and set the		
		subscriptionCustomerDisconnectDat		
		e and		
		subscriptionBroadcastTimeStamp to		
		the current date and time for the		
		TNs.		
5.	NPAC	NPAC SMS issues an M-EVENT	SP	The Donor SP SOA (SPID A) receives the M-EVENT-
		REPORT to the Donor Service		REPORT(s) in CMIP (or VCDN –
		Provider based on their Customer		SvCustomerDisconnectDateNotification in XML) from the
		TN Range Notification Indicator.		NPAC SMS and issues an M-EVENT-REPORT confirmation in
		• If the setting is TRUE, NPAC		CMIP (or NOTR – NotificationReply in XML) to the NPAC
		SMS issues a subscription		SMS.
		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		
		<ul><li>start TN</li><li>end TN</li></ul>		
		start SVID		
		• end SVID		
		<ul> <li>subscriptionVersionCustom erDisconnectDate</li> </ul>		
		subscriptionEffectiveReleas		
	1	<ul> <li>subscriptionEnectiveReleas</li> </ul>		

<ul> <li>Provide the setting is FALSE, NPAC SMS issues a subscription Version DisconnectDate notification in CMIP (or VCDN - SetConnerDisconnectDate) of the TNs in the range indicating the disconnect date. TNS in the range indicating the disconnect date and the region accepting downloads for this NPA-NX receives the M-DFI LTTE Requests in CMIP (or SVDD - SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.</li> <li>NPAC SMS issues an M-DELETE Requests subscription Version in CMIP (or SVDD - SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.</li> <li>NPAC SMS issues an M-DELETE Requests in CMIP (or SVDD - SVDeleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.</li> <li>NPAC SMS issues an M-SET Request to itself to set the subscription version faller to region acceptive the M-SET Request to itself to set the subscription version alleter and inter or the range of TNs.</li> <li>NPAC SMS issues an M-SET Request to itself to set the subscription version alleter and issues an M-SET Request to itself to set the subscription version alleter and its vold' and set the subscription version alleter and its were assocriptional diffed TimeStamp and subscription version range of TNs.</li> <li>NPAC SMS issues an M-SET Request to itself.</li> <li>NPAC SMS issues and N-SET Request to itself.</li> <li>NPAC SMS issues and N-SET Request to itself.</li> <li>NPAC SMS issues an M-SET Request to itself.</li> <li>NPAC SMS issues and N-SET Request to itself.</li> <li>NPAC SMS issues an M-SET Request in difference on the local system and inter or the range of TNs.</li> <li>NPAC SMS issues an M-SET Request in a statistic to 'old' and set the subscription version range of TNs.</li> <li>NPAC SMS issues an M-SET Request in the request form the NPAC SMS.</li> <li>NPAC SMS issues an M-SET Request in a statistic to 'old' and set the subscription version range of TNs.</li> <li>NPA</li></ul>		_		
<ul> <li>Requests subscription/Version in CMIP (or SVDD – SVDEleteDownload in XML) to all LSMSs in the region accepting downloads for this NPA-NXX.</li> <li>NPAC SMS issues an M-SET Request to itself to set the subscription version status to 'old' and set the subscription/difiedTimeStamp and subscriptionDisconnectCompleteTi meStamp to the current date and time for the range of TMS.</li> <li>NPAC SMS issues an M-EVENT-REPORT to the New SP SOA (SPID B) receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID B) receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) to the New SP SOA (SPID B) for the range of 2 TNs that contains the following attributes:         <ul> <li>start SVID</li> <li>start SVID</li> <li>start SVID</li> <li>start SVID</li> <li>start SVID</li> <li>start SVID</li> </ul> </li> </ul>		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.		
<ul> <li>In the one of the subscription wersion status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTi meStamp to the current date and time for the range of TNs.</li> <li>8. NPAC</li> <li>NPAC</li> <li>NPAC SMS issues an M-EVENT-REPORT to the New SP SOA (SPID B) receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.</li> <li>SP New SP SOA (SPID B) receives the M-EVENT-REPORT(s) in XML) from the NPAC SMS.</li> <li>NPAC</li> <li>NPAC</li> <li>NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChangeNotification in CMIP (or VATN – SvAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChange of 2 TNs that contains the following attributes:         <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionStatus = 'old'</li> </ul> </li> </ul>	6. NPAC	Requests subscriptionVersion in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs in the region accepting	SP	<ul> <li>NPA-NXX receives the M-DELETE Request in CMIP (or SVDD – SvDeleteDownload in XML) and verify that the request is valid.</li> <li>All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version delete on the local system</li> </ul>
<ul> <li>8. NPAC</li> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, NPAC SMS issues a subscription VersionRangeStatu sAttribute ValueChange notification in CMIP (or VATN - SvAttribute ValueChangeNotific ation in XML) to the New SP SOA (SPID B) for the range of 2 TNs that contains the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>subscriptionVersionStatus = 'old'</li> </ul> </li> </ul>	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
$\bullet$ If the setting is $H/I N H N R/I^2$	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	<ol> <li>On the SOA, the subscription versions are not found or they exist with a status of 'old'.</li> <li>On the LSMS, the subscription versions no longer exist.</li> </ol>
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			
<b>Objective:</b>	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 or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or DISQ – DisconnectRequest in XML) from the New SP SOA (SPID A).

		the request to the NPAC SMS		
		<ul> <li>via the 'Primary' SPID (SPID A) association.</li> <li>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.</li> </ul>		
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	<ol> <li>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.</li> <li>All LSMSs in the region issue M-DELETE Responses in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>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.</li> </ol>

7.	SP	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 6 TNs.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
8.	NPAC	NPAC SMS issues two M-EVENT- REPORT 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	<ol> <li>On the SOA, the subscription version is not found or it exists with a status of 'old'.</li> <li>On the LSMS, the subscription version no longer exists.</li> </ol>
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.

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.23	SUT Priority:	SOA	С				
			LSMS	N/A				
<b>Objective:</b>	SOA – Current Service Provider Personnel issue a deferred disconnect for a range of 1000							
	'active' subscription vers	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**

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

#### D. TEST STEPS and EXPECTED RESULTS

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

2.	NPAC	<ul> <li>effective date of tomorrow.</li> <li>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.</li> <li>NPAC SMS locates the respective</li> </ul>	NPAC	NDAC SMS manipulation M SET subscription Version NDAC
2.	MAC	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.	MAC	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 1	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	<ol> <li>On the SOA, the subscription versions either do not exist or they exist with a status of 'disconnect-pending'.</li> <li>On the LSMS, the subscription versions exist with a status of 'active'.</li> </ol>
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.
		during this test case.		

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	ly concurred. Their Cust	omer TN Range		
	Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as					
	two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data.					
	The range create requests are submitted without any other activity between the range create					
	requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is					
	submitted as one range.	The cancel request result	s in one notification beca	ause the TNs and		
	SVIDs are both contiguo	ous and all TNs in the ran	nge 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	1
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	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or CANQ – CancelRequest in XML) from the Old SP SOA.

Í		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		
ĺ		NPAC SMS and specifies 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.
ĺ		M-SET Request		
ĺ		subscriptionVersionNPAC to itself		
ĺ		to set the subscription version status		
ĺ		to 'cancel-pending' and sets the		
ĺ		subscriptionVersionModifiedTimeSt		
ĺ		amp to the current date and time for		
		each TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old 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 Old SP		
		SOA.		
4.	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
ĺ		REPORT		VATN – SvAttributeValueChangeNotification in XML) from
ĺ		subscriptionVersionRangeStatusAttr		the NPAC SMS.
ĺ		ibuteValueChange notification in		
ĺ		CMIP (or VATN –		
ĺ		SvAttributeValueChangeNotificatio		
ĺ		n in XML) to the Old SP SOA for		
ĺ		the range of 50 TNs that contains		
ĺ		the following attributes:		
ĺ		• start TN		
ĺ		• end TN		
ĺ		start SVID		
		<ul> <li>end SVID</li> </ul>		
		<ul> <li>subscriptionVersionStatus =</li> <li>'cancel pending'</li> </ul>		
5.	SP	'cancel-pending' Old SP SOA issues an M-EVENT-	NPAC	NDAC SMS receives the M EVENT DEPORT in CMID (
5.	51	REPORT Confirmation in CMIP	INI AC	NPAC SMS receives the M-EVENT-REPORT in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
				NOTK – Nouncauoirkepty in ANL) from the Old SP SOA.
		(or NOTR – NotificationReply in XML) to the NDAC SMS for the		
		XML) to the NPAC SMS for the		
6.	NDAC	range of 50 TNs.	SD	Now CD COA manipus the M EVENIT DEDORT 's CHUR (
υ.	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		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
1		sAttributeValueChange		
l I				
		notification in CMIP (or VATN		

	1		r	
		ation in XML) for the range of		
		50 TNs that contains the		
		following attributes:		
		• start TN		
		• end TN		
		• start SVID		
		• end SVID		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		='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'.
		versions cancelled in this test case.		
9.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with a status of 'cancel-
	Optiona 1	perform a local query for the		pending'.
	1	subscription versions cancelled		
10.	SP –	during this test case.	SP	
10.	Conditi	Old SP Personnel perform an NPAC SMS query for the subscription	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.
	onal	versions cancelled during this test		on the NFAC SMS.
		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		
10		specifying the range of TNs.	10.0	
12.	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 subscription version status		
		to 'cancelled' and set the		
		to cancened and set the		

			1	
		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:		
		<ul> <li>start TN</li> </ul>		
		<ul> <li>end TN</li> </ul>		
		start SVID		
		end SVID		
		<ul> <li>subscriptionVersionStatus =</li> </ul>		
		'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		
16.	NPAC	of 50 TNs. NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT notification in CMIP (or
10.	MAC	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		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (or VATN		
		SvAttributeValueChangeNotific		
		ation in XML) for the range of 50 TNs that contains the		
		following attributes:		
		<ul> <li>start TN</li> </ul>		
		• end TN		
		start SVID		
		• end SVID		
		<ul> <li>subscriptionVersionStatus =</li> </ul>		
		'canceled'		
	1	• If the setting is FALSE, the		
	1	NPAC SMS issues an M-		
		EVENT-REPORT		

		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 l	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		
<b>Objective:</b>	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

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:	

#### 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.

r		1		
		to 'cancel-pending' and sets the		
		subscriptionVersionModifiedTimeSt		
		amp to the current date and time for		
		each TN in the request.		
3.	NPAC	<ul> <li>each TN in the request.</li> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>subscriptionVersionStatus = 'cancel-pending'</li> </ul> </li> <li>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</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT(s) in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.
		the range (10).		
4.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT in CMIP (or
т. 	51	REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS.	MAC	NOTR – NotificationReply in XML) from the Old SP SOA.
5.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VATN – SvAttributeValueChangeNotification in XML) from
		subscriptionVersionRangeStatusAttr		the NPAC SMS.
		ibuteValueChange in CMIP (or		
		VATN –		
		SvAttributeValueChangeNotificatio		
		n in XML) for the range of 10 TNs		
		that contains the following		
		attributes:		
		• start TN		
		• end TN		
		start SVID		
		end SVID		
		• subscriptionVersionStatus =		

		'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 <b>does not</b> 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 1	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	
<b>Objective:</b> SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider			vice Provider		
	subscription versions for which the Old Service Provider has not yet concurred to. Their				
	Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the				
	range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have				
	the same feature data but other create activities are submitted between the range create requests				
	to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is				
	submitted as one range."	The cancel request result	s in one notification cont	taining a list SVIDs. –	
	Success				

### B. **REFERENCES**

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

# C. **PREREQUISITE**

PREREQUISITE	
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
	<ul> <li>consecutive and then there should be a break between the SVIDs in the next 2500 TNs.</li> <li>Verify that 'active' subscription versions do not currently exist for the range of 5000 TNs to be used in this Test Case.</li> </ul>
	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.

	1		1	
		5000 Inter-Service Provider		
		subscription versions for which		
		the Old SP has not yet		
		concurred. Specify the range of		
		5000 consecutive TNs		
		described in the prerequisites		
		above.		
		2. The SOA issues an M-ACTION		
		subscriptionVersionCancel		
		Request in CMIP (or CANQ –		
		CancelRequest in XML) to the		
		NPAC SMS and specifies the		
-	NID ( G	range of TNs.	NDIG	
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 subscription version status		
		to 'cancelled' and the		
		subscriptionVersionModifiedTimeSt		
		amp 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 CANR –		CANR – CancelReply in XML) from the NPAC SMS.
		CancelReply in XML) to the New		
		SP SOA.		
4.	NPAC	NPAC SMS issues M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
	inne	REPORTs 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.		Nouncation 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:		
		<ul> <li>paired list of TNs and</li> </ul>		
		SVIDs		
		• subscriptionVersionStatus		
		= 'cancelled'		
		• If the setting is FALSE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		-		
		uteValueChange in CMIP (or		
		VATN – Sv Attribute Velue Chenge Notifie		
		SvAttributeValueChangeNotific		
		ation in XML) for each TN in		
		the range of 5000 indicating the		

		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 l	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.

Test Case Number:	2.27	SUT Priority:	SOA	R		
			LSMS	N/A		
<b>Objective:</b>	<b>Objective:</b> 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	<b>Relevant Flow(s):</b>	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	<ol> <li>Using the SOA, Old SP Personnel submit a cancel request to the NPAC for the TN described in the prerequisites above.</li> <li>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.</li> </ol>	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
		NPAC SMS issues an M-ACTION subscriptionVersionCancel Response in CMIP (or CANR – CancelReply in XML) to the Old SP SOA indicating the subscription version was successfully canceled.		subscriptionVersionCancel Response in CMIP (or CANR – CancelReply in XML) from the NPAC SMS indicating the subscription version was successfully canceled.
4.	NPAC	<ul> <li>NPAC SMS issues one M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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: <ul> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus = 'cancelled'</li> </ul> </li> <li>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'.</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific</li> </ul>	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.

	1			
		ation in XML) that contains the		
		following attributes:		
		<ul> <li>paired list of TNs and</li> </ul>		
		SVIDs		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		= '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 =		
7.	CD	canceled for the single TN.	NDAC	NDACIONG
1.	SP	New SP SOA issues M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations
		REPORT Confirmations in CMIP		in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
		(or NOTR – NotificationReply in XML) indicating it successfully		SF SUA.
		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 'canceled'.
0.	MAC	for the subscription version canceled	MAC	The subscription version exists with a status of calleled.
		in this test case.		
9.	SP –	Via their SOA, Old SP Personnel	SP	The subscription version does not exist or exists with a status of
	Optiona	perform a local query for the	51	'canceled'.
	1	subscription version canceled during		cuncered .
		this test case.		
10.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'canceled' on
	Conditi	SMS query for the subscription		the NPAC SMS.
	onal	version canceled during this test		
		case.		
L		cuse.	I	1

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	<b>Relevant Flow(s):</b>	B.5.5.1

# C. **PREREQUISITE**

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 continuous.
	<ul><li>SVIDs are contiguous.</li><li>4. Verify that the New SP has concurred to the subscription versions to be modified during this test case.</li></ul>
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.
	2. Immediately create another range of 50 Inter-Service Provider subscription versions using the next 50 consecutive non-ported TNs with the same set of DPC/SSN data as the first 50
	TN range. For example, create 1000-1049 and then immediately create 1050-1099 with the same set of DPC/SSN data.
	3. Verify that the SVIDs are consecutive for the full 100 TNs.

#### **D. TEST STEPS and EXPECTED RESULTS**

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA.

·			
2. NPA	<ul> <li>TNs described in the pre-requisites above.</li> <li>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.</li> <li>MC NPAC SMS locates the respective subscription versions, and issues an</li> </ul>	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
	M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.		
3. NPA	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. NPA	<ul> <li>NPAC SMS issues an M-EVENT REPORT to the Old SP SOA based on their TN Range Notification Indicator.</li> <li>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:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionStatus = 'conflict'</li> <li>subscriptionVersionStatusChangeCa useCode</li> <li>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</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.

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		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	mine	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.		
		• 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:		
		<ul> <li>start TN</li> </ul>		
		<ul> <li>end TN</li> </ul>		
		start SVID		
		end SVID		
		<ul> <li>subscriptionVersionStatus =</li> </ul>		
		'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		
		for each TN in the range (100).		
7.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation in CMIP		from the New SP SOA.
		(not available over the XML		
		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-		

	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		
	<ul><li>end TN</li><li>start SVID</li></ul>		
	<ul><li>end SVID</li><li>subscriptionOldSP-</li></ul>		
	<ul> <li>subscriptionOldSi<sup>-2</sup> authorization = 'false'</li> <li>subscriptionVersionStatus = 'conflict' (XML only)</li> </ul>		
	<ul> <li>subscriptionStatusChangeCa useCode (XML only)</li> <li>If the setting is FALSE, the</li> </ul>		
	NPAC SMS issues an M- EVENT-REPORT		
	attributeValueChange in CMIP (or VATN –		
	SvAttributeValueChangeNotific ation in XML) with		
	subscriptionOldSP- Authorization = false for each		
9. SP	TN in the range. 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 for the range of 100 TNs.		CMIP (or NOTR – NotificationReply in XML).
10. NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT subscriptionVersionRangeAttr ibuteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific cation in XML) that contains the following attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP- authorization = 'false'</li> </ul>	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.
		I	

		1		
		<ul> <li>subscriptionVersionStatus =</li> </ul>		
		'conflict' (XML only)		
		<ul> <li>subscriptionStatusChangeCa</li> </ul>		
		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.		
11.	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) from the New
		NOTR – NotificationReply in		SP SOA.
		XML) to the NPAC SMS.		
12.	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'conflict'.
		for the range of subscription		
		versions modified in this test case.		
13.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with status of 'conflict'.
	Optiona	perform a local query for the		The subscription versions exist with status of conflict.
	1	subscription versions modified		
		during this test case.		
14.	SP –	Old SP Personnel perform an NPAC	SP	The subscription versions exist with a status of 'conflict' on the
	Conditi	SMS query for the subscription	~	NPAC SMS.
	onal	versions modified during this test		
		case.		
		case.		

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.29	SUT Priority:	SOA	С				
			LSMS	N/A				
<b>Objective:</b>	SOA – Old Service Provider Personnel modify a range of 1000 'pending' Inter-Service Provider							
	subscription versions to	change the authorization	flag from TRUE to FAL	SE. Their Customer				
	TN Range Notification I	Indicator 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	I
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:	1. Create one range of 500 Inter-Service Provider subscription versions with a future due date using consecutive non-ported TNs, with one set of DPC/SSN data.
South 1	<ol> <li>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.</li> </ol>
	3. Create another range of 500 Inter-Service Provider subscription versions with a future due date using the next 500 consecutive non-ported TNs and the same set of DPC/SSN data as the first 500 TNs. For example, create 1000-1499, then perform other subscription version activities to TNs outside of the consecutive 1000 TNs used in this test case, then create 1500-1999 with the same set of DPC/SSN data as was used for TNs 1000-1499.
	<ol> <li>Verify that the SVIDs are NOT consecutive for the full 1000 TNs.</li> </ol>

# D. TEST STEPS and EXPECTED RESULTS

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

		<ul> <li>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.</li> <li>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.</li> </ul>		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or MODR – ModifyReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or MODR – ModifyReply in XML) from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT REPORT 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	<ul> <li>NPAC SMS issues an M-EVENT REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeSt atusAttributeValueChange</li> </ul>	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	<ul> <li>notification in CMIP (not available over the XML interface but included in step 10 below) that contains the following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus = 'conflict'</li> <li>subscriptionStatusChangeCa useCode</li> <li>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 for each TN in the range (1000).</li> <li>New SP SOA issues an M-EVENT-REPORT Confirmation in CMIP</li> </ul>	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP
8.	NPAC	(not available over the XML interface) to the NPAC SMS. NPAC SMS issues one M-EVENT- REPORT	SP	SOA. Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from
0		<ul> <li>subscriptionVersionRangeAttribute</li> <li>ValueChange in CMIP (or VATN –</li> <li>SvAttributeValueChangeNotificatio</li> <li>n in XML) to the Old SP SOA for</li> <li>the range of 1000 TNs that contains</li> <li>the following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionOldSP- authorization = 'false'</li> <li>subscriptionVersionStatus = 'conflict' (XML only)</li> <li>subscriptionStatusChangeCause Code (XML only)</li> </ul>		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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M-</li> </ul>	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.

		<ul> <li>EVENT-REPORT subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML) for the range of 1000 TNs that contains the following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionOldSP- authorization = 'false'</li> <li>subscriptionVersionStatus = 'conflict' (XML only)</li> <li>subscriptionStatusChangeCa useCode (XML only)</li> <li>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</li> </ul>		
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 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				

# B. REFERENCES

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

# C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol> <li>Verify that the Old SP Customer TN Range Notification Indicator is set to their production value.</li> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider.</li> <li>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.</li> <li>Verify that the New SP has concurred to the subscription versions to be modified during this test case.</li> </ol>
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	<ol> <li>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.</li> <li>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.</li> </ol>	NPAC	NPAC SMS receives the M-ACTION Request in CMIP (or MODQ – ModifyRequest in XML) from the Old SP SOA and determines that it is valid.
2.	NPAC	NPAC SMS locates the respective subscription version, and issues an M-SET Request	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.

			•	
		subscriptionVersionNPAC to itself		
		to set the subscriptionOldSP-		
		Authorization attribute to FALSE		
		and set the		
		subscriptionModifiedTimeStamp to		
		the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old 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 Old		
		SP SOA.		
4.	NPAC	NPAC SMS issues an M-EVENT	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not
		REPORT to the Old SP SOA based		available over the XML interface) from the NPAC SMS.
		on their Customer TN Range		
		Notification Indicator.		
		• If their 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 SVID		
		end SVID		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		= '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		
		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 Confirmation in
		<b>REPORT</b> Confirmation in CMIP		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		
		Notification Indicator.		
		• If the setting is TRUE, the		
		NPAC SMS issues an M-		
		1 11 1 1 C STATE TODACS ATT 141-	L	1

		T	-	
		EVENT-REPORT		
		subscriptionVersionRangeStatu		
		sAttributeValueChange		
		notification in CMIP (not		
		available over the XML		
		interface) that contains the		
		following attributes:		
		<ul> <li>start TN</li> </ul>		
		• end TN		
		start SVID		
		• end SVID		
		<ul> <li>subscriptionVersionStatus</li> <li>conflict'</li> </ul>		
		subscriptionStatusChangeC     auseCode		
		<ul> <li>If the setting is FALSE, the</li> </ul>		
		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		
7	GD	for the TN.	ND+C	
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'		
		<ul> <li>subscriptionVersionStatus</li> </ul>		
		= 'conflict' (XML Only)		
		<ul> <li>subscriptionStatusChangeC</li> </ul>		
		auseCode (XML Only)		

· · · · ·				
		<ul> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT attributeValueChange notification in CMIP (or VATN         <ul> <li>SvAttributeValueChangeNotific ation in XML) with a subscription versionOldSP- authorization='false'</li> </ul> </li> </ul>		
	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. Y	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 - SvAttributeValueChangeNotific ation in XML) with a subscription versionOldSP- authorization='false'	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttribute ValueChangeNotification in XML) from the NPAC SMS according to their Customer TN Range Notification Indicator.
11. S	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 remov	ve them from conflict. Th	eir Customer TN Range	Notification Indicator			
	is set to TRUE. In the pr	is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges.					
	The TNs used in the ranges are contiguous and have the same feature data. The range create						
	requests are submitted without any other create activity between to ensure that the SVIDs for the						
	TNs in the ranges are contiguous. The modify request is submitted as one range. The modify						
	request results in one no	tification because the TN	s and SVIDs are both co	ontiguous 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
	6. 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.

D.	1	TEST STEPS and EXPECTED RESULTS				
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result		
1.	SP	<ol> <li>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.</li> <li>The SOA issues an M-ACTION subscriptionVersionOldSP- RemoveFromConflict Request in CMIP (or RFCQ – RemoveFromConflictRequest in XML) to the NPAC SMS for the range of 200 TNs.</li> </ol>	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 end SVID subscriptionVersionStatus = 'pending'	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (not available over the XML interface) from the NPAC SMS.		
5.	SP	Old SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (not available over the XML	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the Old SP SOA.		

#### D. TEST STEPS and EXPECTED RESULTS

		interface)to the NPAC SMS for the range of 200 TNs.		
6.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator,</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionStatus=p ending'</li> </ul> </li> <li>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'.</li> </ul>	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'		
		<ul> <li>subscriptionVersionStatus =</li> </ul>		
		'pending' (XML Only)		
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) from the Old SF
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS for the		
		range of 200 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		
		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		
		<ul><li>end TN</li><li>start SVID</li></ul>		
		• end SVID		
		<ul> <li>subscriptionOldSP Authorization = 'true'</li> </ul>		
		<ul> <li>subscriptionVersionStatus = 'pending' (XML Only)</li> </ul>		
		<ul> <li>If the setting is FALSE, the</li> </ul>		
		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		
		subscriptionOldSP-		
		Authorization set to TRUE.		
11.	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) from the New
		NOTR – NotificationReply in		SP SOA.
10	NID 4 C	XML) to the NPAC SMS.		
12.	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'pending'.
		for the range of subscription		
12	CD	versions modified in this test case.	CD	
13.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with status of 'pending'.
	Optiona 1	perform a local query for the		
	1	subscription versions modified		
		during this test case.		

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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Test Case Number:	2.32	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Old Service Prov versions that he created, Indicator is set to TRUE ranges. The TNs used in create activities are subn TNs in the ranges are no	to remove them from co- . In the prerequisite creat the ranges are contiguou nitted between the range t contiguous. The modify	nflict. Their Customer T te process the range is su is and have the same fear create requests to ensure y request is submitted as	N Range Notification ubmitted as two smaller ture data but other that the SVIDs for the 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	<b>Relevant Flow(s):</b>	B.5.5.5

# C. **PREREQUISITE**

Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	<ol> <li>Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.</li> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for the Old Service Provider.</li> </ol>
	<ol> <li>Verify that the Old Service Provider is using LONG Port-Out Timers.</li> <li>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.</li> </ol>
	<ol> <li>Verify that the New SP has concurred to the subscription versions to be modified during this test case.</li> </ol>
	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.
	<ol> <li>Verify that the SVIDs are NOT consecutive for the full 10 TNs.</li> <li>Verify that the current time is at least 12 hours before the due date of the 200 subscription versions.</li> </ol>

#### 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 RFCR – RemoveFromConflictReply in XML) from the NPAC Response in CMIP (or RFCR -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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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 10 TNs that contains the following attributes: <ul> <li>paired list of TNs and SVIDs</li> <li>subscriptionVersionStatus = 'pending'</li> </ul> </li> <li>If the setting is FALSE, the NPAC SMS issues an M-</li> </ul>	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 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	'pending'. New SP SOA issues M-EVENT- REPORT Confirmation in CMIP	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (not available over the XML interface) from the New SP
		(not available over the XML interface) to the NPAC SMS.		SOA.
8.	NPAC	<ul> <li>NPAC SMS issues one M-EVENT- REPORT</li> <li>subscriptionVersionRangeAttribute</li> <li>ValueChange notification in CMIP</li> <li>(or VATN –</li> <li>SvAttributeValueChangeNotificatio</li> <li>n in XML) to the Old SP SOA for</li> <li>the range of 10 TNs that contains</li> <li>the following attributes:</li> <li>paired list of TNs and SVIDs</li> <li>subscriptionOldSP- Authorization set to TRUE.</li> <li>subscriptionVersionStatus='pen ding' (XML Only)</li> </ul>	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-	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		
		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:		
		<ul> <li>paired list of TNs and SVIDs</li> </ul>		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization = 'true'		
		<ul> <li>subscriptionVersionStatus=</li> </ul>		
		'pending' (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		
		the range of 10 with the		
		subscriptionOldSP-		
		Authorization set to TRUE.		
11.	SP	New SP SOA issues M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmations in CMIP		CMIP (or NOTR – NotificationReply in XML) from the New
		(or NOTR – NotificationReply in		SP SOA.
12		XML) to the NPAC SMS.	ND : C	
12.	NPAC	NPAC Personnel perform a query	NPAC	The subscription versions exist with a status of 'pending'.
		for the range of subscription		
12		versions modified in this test case.	GD	
13.	SP –	Via their SOA, Old SP Personnel	SP	The subscription versions exist with status of 'pending'.
	Optiona 1	perform a local query for the		
	1	subscription versions modified		
14		during this test case.	<b>G</b> D	
14.	SP –	Old SP Personnel perform an NPAC	SP	The subscription versions exist with a status of 'pending' on the
	Conditi onal	SMS query for the subscription		NPAC SMS.
	Ullal	versions modified during this test		
		case.		

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

#### B. REFERENCES

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

#### C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	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	<ol> <li>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).</li> <li>The SOA sends an M-ACTION subscriptionVersionActivate in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS for the range of TNs (SV2).</li> </ol>	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.

F	1	
	an	
subscriptionVersionActivate Response in CMIP (or ACTR – ActivateReply in XML) to the New	SP	New SP SOA receives the M-ACTION subscriptionVersionActivate Response in CMIP (or ACTR – ActivateReply in XML) from the NPAC SMS.
	NDAC	NDAC SMS issues on M SET Despenses to itself
NPAC SMS issues an M-SE1 Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to sending and set the subscriptionBroadcastTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-SET Response to itself.
NPAC SMS issues an M-DELETE Request subscriptionVersion SV1 in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX of subscription Versions SV1.	SP	<ol> <li>All LSMSs in the region accepting downloads for this NPA-NXX receives the M-DELETE Requests and verify that the requests are valid.</li> <li>All LSMSs in the region issue an M-DELETE Response in CMIP (or DNLR – DownloadReply in XML) back to the NPAC SMS.</li> <li>After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes for the range of TNs (SV1) on the local system as specified in the requests from the NPAC SMS.</li> </ol>
NPAC SMS issues an M-SET 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.	NPAC	NPAC SMS issues an M-SET Response to itself.
<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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:</li> <li>start TN</li> </ul>	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.
	Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA. NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to sending and set the subscriptionBroadcastTimeStamp to the current date and time. NPAC SMS issues an M-DELETE Request subscriptionVersion SV1 in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX of subscription Versions SV1. NPAC SMS issues an M-SET 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. 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 - SvAttributeValueChange Notification in XML) for the range of 10 TNs (SV1) that contains the following attributes:	subscriptionActivationTimeStamp to the current date and time. NPAC SMS issues an M-ACTION subscriptionVersionActivate Response in CMIP (or ACTR – ActivateReply in XML) to the New SP SOA. NPAC SMS issues an M-SET Request subscriptionVersionNPAC to itself for the TNs (SV1) to set the subscriptionVersionStatus to sending and set the subscriptionProadcastTimeStamp to the current date and time. NPAC SMS issues an M-DELETE Request subscriptionVersion SV1 in CMIP (or SVDD – SvDeleteDownload in XML) to all LSMSs that are accepting downloads for the NPA-NXX of subscription VersionS SV1. NPAC SMS issues an M-SET 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. 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 - SvAttributeValueChange notification in CMIP (or VATN

			r	
		<ul> <li>= 'old'</li> <li>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.</li> </ul>		
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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionVersionStatus = 'old'</li> </ul> </li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or</li> </ul>	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.

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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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA.</li> <li>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: <ul> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>subscriptionVersionStatus = 'old'</li> </ul> </li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific cation in XML) to the New SP SOA for each TN in the range (SV1) with the subscription Version Status of old.</li> </ul>	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) for the range of 10 TNs (SV2) with the subscriptionVersionStatus of old from the NPAC SMS.
13	SP	New SP SOA issues M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
14.	NPAC	NPAC Personnel perform a query for the range of subscription versions (SV1) used in this test case.	NPAC	The subscription versions (SV1) exist with a status of 'old'.

15	SP – 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.

Test Case Number:	2.34	SUT Priority:	SOA	С	
			LSMS	N/A	
<b>Objective:</b>	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	<b>Relevant Flow(s):</b>	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	<ol> <li>Using the NPAC OpGUI, NPAC Personnel take action to delete an active Number Pool Block.</li> <li>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.</li> </ol>	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.

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

9.	SP	SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
		REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS for the number pool block.		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		
<b>Objective:</b>	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	<b>Relevant Flow(s):</b>	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	Те	st Step	NPAC or SP	Expected Result
1.	SP	1.	Using the SOA, New SP Personnel submit an M- CREATE subscriptionVersionNewSP- Create request to the NPAC for an Intra-Service Provider port of a range of 10 TNs (SV2) that are part of the number pool block described in the prerequisites above. 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	NDAC		NDAC	
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TNs (SV2) to create the subscription versions, set the subscriptionVersionStatus to 'pending', and set the subscriptionCreationTimeStamp, subscriptionNewSPAuthorizationTi meStamp, subscriptionOldSPAuthorizationTim eStamp, and subscriptionModifedTimeStamp to the current date and time.	NPAC	NPAC SMS issues an M-CREATE Response to itself.
э.	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 • subscriptionNewSor • subscriptionNewCurrentSP • subscriptionNewSP-DueDate • subscriptionNewSP- CreationTimeStamp • subscriptionVersionStatus • subscriptionTimerType (if supported) • subscriptionBusinessType (if	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	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**

REFERENCES		1	1
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		Number(s):	
NANC FRS Version	3.1.0	Relevant	RR6-80
Number:		Requirement(s):	
NANC IIS Version	3.1.0	<b>Relevant Flow(s):</b>	B.8.3
Number:			

#### C. PREREQUISITE

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

#### D. TEST STEPS and EXPECTED RESULTS

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

	<ul> <li>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.</li> <li>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.</li> </ul>		<ol> <li>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.</li> <li>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.</li> <li>After the LSMSs issue the M-SET Responses back the NPAC SMS, they locally update the subscription version attributes per the Mass Update requests.</li> </ol>
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 – SvAttributeValueChangeNotification in XML) from the NPAC SMS and issues a confirmation in CMIP (or NOTR – NotificationReply in XML).

4.	NPAC	NPAC Personnel perform a query for the subscription versions that were updated during this test case.	NPAC	The subscription version attributes were appropriately updated and the status of all the subscription versions is 'active'.
5.	SP - Optiona l	Via their SOA &/or LSMS, Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	<ol> <li>On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List.</li> <li>On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.</li> </ol>
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 recovers a mixture of SV notifications for ranges of TNs. Their Customer TN Range Notification Indicator set to TRUE. – Success Note: Per IIS3_4_1aPart2 scenario B.7.2, this flow is not available over the XML inter			

## B. **REFERENCES**

REFERENCES			
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		Number(s):	
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 the Customer TN Range Notification Indicator is set to TRUE for the SP under
Setup:	test.
	2. Verify that the SOA Notification Priority tunable parameter is set to default values for the
	SP under test.
	3. Verify that, if supported, the SOA Origination Indicator is set to TRUE.
	4. Verify that the SOA Supports NPA-NXX-X is set to TRUE.
	5. Filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful.
	6. While the SP SOA under test is off-line perform the following activities on behalf of the SP under test:
	a) Where the SP under test is the New SP, create a range of 50 consecutive, non-ported
	TNs with one set of DPC/SSN data, the Old SP will not respond to this create request.
	Concurrence Window timers (T1 & T2) expire.
	For example, create 1000-1049.
	b) Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step 'a' above.
	For example, modify 1000-1019.
	c) Cancel the last 5 TNs of the subscription versions created in step 'a' above. For example, cancel 1045-1049.
	<ul> <li>Activate the first 45 TNs of the subscription versions created in step 'a' above. For example, activate 1000-1044.</li> </ul>
	<ul> <li>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.</li> <li>For example create 2000-2009.</li> </ul>
	<ul> <li>f) Let the Initial and Final Concurrence Timers expire for the subscription versions in step 'e'.</li> <li>For example, let the timers expire for 2000-2009.</li> </ul>
	<ul><li>g) Disconnect the 10 subscription versions where the SP under test is the Donor SP. For example, disconnect 3000-3009.</li></ul>
	h) Where the SP under test is the New SP, create a range of 1000 consecutive, non-ported
	TNs with one set of DPC/SSN data, and have the Old SP issue a concurrence to the New SP Create.
	For example, create 4000-4999.

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

### D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</li> <li>SP SOA establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</li> </ol>	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.

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

	T	1	1	
				if the SOA supports the Final Create Window
				Expiration notification. (Range data)
				8. For the TNs in step 'g' of the prerequisites:
				One M-EVENT-REPORT subscription
				versionRangeDonorSP-CustomerDisconnectDate for
				all TNs in the range. (Range data)
				9. For the TNs in step 'h' of the prerequisites:
				One M-EVENT-REPORT
				subscriptionVersionRangeObjectCreation for all TNs
				in the range. (Range data)
				One M-EVENT-REPORT attributeValueChange for
				all TNs in the range. (Range data)
				10. For the TNs in step 'i' of the prerequisites:
				One M-EVENT-REPORT
				subscriptionVersionRangeStatusAttributeValueChang
				e with the subscriptionVersionStatus set to 'cancel-
				pending'. (Range data)
				One M-EVENT-REPORT
				subscriptionVersionRangeCancellationAcknowledgeR
				equest for all TNs in the range. (Range data)
				One M-EVENT-REPORT
				subscriptionVersionRangeStatusAttributeValueChang
				e with the subscriptionVersionStatus set to 'conflict'.
				(Range data)
				11. For the TNs in step 'j' of the prerequisites:
				One M-EVENT-REPORT
				subscriptionVersionRangeObjectCreation for all TNs
				in the range. (Range data)
				12. For the TNs in step 'k' of the prerequisites:
				One M-EVENT-REPORT
				subscriptionVersionRangeObjectCreation for all TNs
				in the range. (Range data)
				13. For the TNs in step '1' 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
				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	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 resynchronization flag to FALSE.		scheduled interval for the NPA-NXX that was created during resynchronization and the subscription version that was activated during resynchronization.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
6.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
7.	SP – Optiona 1	Via their SOA, Service Provider Personnel perform a local query for the data updated in this test case.	SP	<ul> <li>The following updates were sent: <ol> <li>For the TNs that were created and activated in the Prerequisite SP Setup: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For the TNs that are part of step 'a' in the prerequisites: <ul> <li>The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range.</li> <li>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.</li> <li>The last 5 subscription versions in the range have a status of 'acceled' (or may not exist depending on local implementation).</li> </ul> </li> <li>For the TNs that are part of step 'e' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'pending'.</li> </ul> </li> <li>For the TNs that are part of step 'g' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'old'. (or may not exist depending on local implementation)</li> </ul> </li> <li>For the TNs that are part of step 'g' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'old'.</li> <li>(or may not exist depending on local implementation)</li> </ul> </li> <li>For the TNs that are part of step 'j' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For the TNs that are part of step 'j' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For the TNs that are part of step 'k' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For the TNs that are part of step 'k' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For the TNs that are part of step 'k' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>For t</li></ol></li></ul>
8.	SP –	Service Provider Personnel, perform	SP	implantation) The following results are found:
	Conditi onal	an NPAC SMS query for the data		1. For the TNs that were created and activated in the

updated in this test case.	Prerequisite SP Setup:
	• The subscription versions exist with a status of 'active'.
	2. For the TNs that are part of prerequisites step 'a':
	• The first 20 subscription versions exist with a status of 'active' and a different LRN from the last 25 subscription versions in the range.
	• The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range.
	• The last 5 subscription versions in the range have a status of 'canceled'.
	3. For the TNs that are part of step 'e' in the prerequisites:
	• The subscription versions exist with a status of 'pending'.
	4. For the TNs that are part of step 'g' in the prerequisites:
	• The subscription versions exist with a status of 'old'.
	5. For the TNs that are part of step 'h' in the prerequisites:
	• The subscription versions exist with a status of 'conflict'.
	<ul> <li>6. For the TNs that are part of step 'j' in the prerequisites:</li> <li>The subscription versions exist with a status of 'active'.</li> </ul>
	<ul> <li>For the TNs that are part of step 'k' in the prerequisites:</li> <li>The subscription versions exist with a status of 'active'.</li> </ul>
	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:
	<ul> <li>The Number Pool Block and respective subscription versions exist with a status of 'old'.</li> </ul>

# A. <u>TEST IDENTITY</u>

Test Case Number:	2.38	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Service Provider SOA association. Servic value from TRUE to FA <b>Note</b> : Per IIS3_4_1aPart	e Provider changes their LSE and recovery is atte	Customer TN Range No mpted. – Success	tification Indicator

#### 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	<b>Relevant Flow(s):</b>	B.7.2

#### C. PREREQUISITE

Prerequisite Test	
Cases:	
Cases: Prerequisite NPAC Setup:	<ol> <li>Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test.</li> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for the Service Provider under test.</li> <li>While the SOA under test is off-line perform the following activities on behalf of the SP under test:         <ul> <li>a) Modify the Customer TN Range Notification Indicator for the SP under test from TRUE to FALSE.</li> <li>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.</li> <li>For example, create 5000-5024 with one set of DPC/SSN data.</li> <li>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.</li> <li>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.</li> </ul> </li> <li>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.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator perform the respective prerequisite Subscription Version create requests including the MTI indicator; this</li> </ol>
	attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Take the SOA off-line.

D.	TEST S	TEPS and EXPECTED RESULTS		
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</li> <li>The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</li> </ol>	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	<ul> <li>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:</li> <li>1. For the TNs in step 'b' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range</li> </ul> </li> <li>2. For the TNs in step 'c' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range</li> </ul> </li> <li>2. For the TNs in step 'c' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range</li> </ul> </li> <li>3. For the TNs in step 'd' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange each TN in the range</li> </ul> </li> <li>3. For 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.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.</li> </ul>
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	<ul> <li>The following updates were sent:</li> <li>1. For the TNs that are part of step 'b' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> <li>2. For the TNs that are part of step 'c' in the prerequisites: <ul> <li>The subscription versions exist with a status of 'active'.</li> </ul> </li> </ul>
8.	SP – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	<ol> <li>The following results are found:         <ol> <li>For the TNs that are part of prerequisites step 'b':                 <ul> <li>The subscription versions were created and had a status of 'pending'.</li> <li>For the TNs that are part of prerequisites step 'c':                     <ul> <li>The subscription versions were created and had a status of 'pending'.</li> <li>For the TNs that are part of prerequisites step 'c':                                 <ul></ul></li></ul></li></ul></li></ol></li></ol>

Test Case Number:	2.39	SUT Priority:	SOA	С
			LSMS	N/A
Objective:	SOA – Service Provider association. Service Prov from FALSE to TRUE a <b>Note</b> : Per IIS3_4_1aPart	vider changes their Custo nd recovery is attempted	omer TN Range Notificat . – 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	<b>Relevant Flow(s):</b>	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:	2. Verify that the SOA Notification Priority tunable parameters are set to the default values for
	the Service Provider under test.
	3. While the SOA under test is off-line perform the following activities on behalf of the SP
	under test:
	a. Where the SP under test is the New SP, Create a range of 50 consecutive, non-ported TNs with one set of DPC/SSN data, the Old SP will not respond to this create request.
	For example, create 1000-1049.
	b. Modify the LRN for the first 20 consecutive TNs of the subscription versions created in
	step 'a' above.
	For example, modify 1000-1019.
	c. Cancel the last 5 TNs of the subscription versions created in step 'a' above. For example, cancel 1045-1049.
	d. Activate the first 45 TNs of the subscription versions created in step 'a' above. For example, activate 1000-1044.
	e. Modify the Customer TN Range Notification Indicator for the SP under test from FALSE to TRUE.
	f. Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data.
	For example, create 5000-5024 with one set of DPC/SSN data.
	g. Where SP under test is the New SP, Create another range of subscription versions using the
	next 25 consecutive, non-ported TNs (after those used in step 'j' above) and using
	another unique set of DPC/SSN data. Make sure that the SVIDs are completely
	contiguous between the 25 TNs in step 'j' and the 25 TNs in this step.
	For example, create 5025-5049 with a unique set of DPC/SSN data.
	h. Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above.
	For example, activate 5000-5049.
	4. While the SOA under test is still in recovery, on behalf of the SP under test, submit an Intra-
	Service Provider Subscription Version Create Request for a range of 10 TNs
	NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these
	attributes will be included in the Number Pool Block and Subscription Version prerequisite steps
	above; these attributes will be appropriately included in the notifications recovered.
	NOTE: If the Service Provider under test supports Medium Timer Indicator perform the
	respective prerequisite Subscription Version create requests including the MTI indicator; this
-	attribute will be included in the appropriate notifications recovered.
Prerequisite SP Setup:	Take the SOA off line.

### D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</li> <li>The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</li> </ol>	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 lnpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.		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	<ul> <li>NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response InpNotificationRecovery with updates to the SP SOA. SP SOA will receive the following notifications in the sequence that the actions were performed: <ol> <li>For the TNs in step 'a' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range</li> <li>An M-EVENT-REPORT subscriptionVersionOldSP- Concurrence for each TN in the range</li> <li>An M-EVENT-REPORT subscriptionVersionOldSP- FinalCreateWindowExpiration for each TN in the range</li> </ul> </li> <li>For the TNs in step 'b' of the prerequisites: <ul> <li>An M-EVENT-REPORT attributeValueChange for each TN in the range</li> </ul> </li> <li>For the TNs in step 'c' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range</li> </ul> </li> <li>For the TNs in step 'd' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range</li> </ul> </li> <li>For the TNs in step 'd' of the prerequisites: <ul> <li>An M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> <li>For the TNs in step 'g' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> <li>For the TNs in step 'h' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> <li>For the TNs in step 'h' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> <li>For the TNs in step 'h' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> <li>For the TNs in step 'h' of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>SubscriptionVersionRangeObjectCreation for all TNs in the range</li> </ul> </li> </ol></li></ul>
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
		resynchronization flag to FALSE.		created during resynchronization.

5.	SP	SP SOA receives the M-ACTION		
5.	51	Response from the NPAC SMS with		
		the data updates since the		
		association was re-established.		
6.	NPAC	NPAC Personnel verify the data was	NPAC	The appropriate data was sent.
		sent in the action response.		
7.	SP –	Service Provider Personnel, using	SP	The following updates were sent:
	Optiona	the SOA, perform a local query for		1. For the TNs that are part of step 'a' in the prerequisites:
	1	the data updated in this test case.		• 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.
				<ul> <li>The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local</li> </ul>
				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:
				<ul> <li>The subscription versions exist with a status of 'pending'.</li> </ul>
8.	SP –	Service Provider Personnel, perform	SP	The following results are found:
	Conditi	an NPAC SMS query for the data		1. For the TNs that are part of step 'a' in the prerequisites:
	onal	updated in this test case.		• 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
				<ul><li>20 subscription versions in the range.</li><li>The last 5 subscription versions in the range have a</li></ul>
				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
				<ul><li>'active'.</li><li>4. For the TNs that are part of Item 4 in the prerequisites:</li></ul>
				The subscription versions exist with a status of
	1			• The subscription versions exist with a status of 'pending'.

## 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 <b>Note</b> : 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. **REFERENCES**

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

## C. **PREREQUISITE**

Prerequisite Test					
Cases:					
Cases: Prerequisite NPAC Setup:	<ol> <li>Verify that SPID B is established as a 'Secondary' SPID to 'Primary' SPID A.</li> <li>Verify that the Customer TN Range Notification Indicator is set to TRUE for both SPID A and SPID B.</li> <li>Verify that the SOA Notification Priority tunable parameter is set to default values for both SPID A and SPID B.</li> <li>Verify that filters are set for the NPA-NXXs such that all LSMS broadcasts will be successful.</li> <li>While the SPID A SOA is off-line perform the following activities on behalf of SPID A and SPID B:         <ul> <li>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.</li> <li>b) On behalf of SPID A, concur to the subscription versions just created in step a.</li> <li>c) Activate the subscription versions created in step 'a' above.</li> <li>d) Disconnect the subscription versions activated in step 'c' above.</li> </ul> </li> <li>NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these</li> </ol>				
	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 # N	NDAC			
	NPAC	Test Step	NPAC	Expected Result
0	or SP	-	or SP	-

1.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring the SPID A SOA back on-line.</li> <li>The SPID A SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag for SPID A set to TRUE.</li> </ol>	NPAC	NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
2.	SP	SP SOA issues an M-ACTION Request lnpDownload (network data) to the NPAC SMS for SPID A and specifies the time range for the resync request.	NPAC	NPAC SMS receives the M-ACTION and issues an M- ACTION Response 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	<ul> <li>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:</li> <li>SP SOA will receive the following notifications in the sequence that the actions were performed: <ol> <li>For the SVs created in Item a of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data)</li> </ul> </li> <li>For the SVs in step 'b' of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>subscriptionVersionRangeAttributeValueChange for all TNs in the range</li> </ul> </li> <li>For the SVs in step 'c' of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>subscriptionVersionRangeStatusAttributeValueChang for all TNs in the range</li> </ul> </li> <li>For the SVs in step 'c' of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data)</li> </ul> </li> <li>For the SVs in step 'd' of the prerequisites: <ul> <li>One M-EVENT-REPORT</li> <li>subscriptionVersionRangeDonorSP-CustomerDisconnectDate for all TNs in the range. (Range data)</li> </ul> </li> <li>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.</li> </ol></li></ul>
4.	SP	SP SOA issues an M-ACTION Request lnpRecoveryComplete to the NPAC SMS for SPID A to set the resynchronization flag to FALSE.	NPAC	NPAC SMS receives the M-ACTION Request from the SOA and replies back to the SOA with data updates at the next scheduled interval.
5.	SP	SP SOA receives the M-ACTION Response from the NPAC SMS with		

		any data updates since the association was re-established.		
6.	SP	SPID A's SOA issues an M- ACTION Request InpNotificationRecovery to the NPAC SMS for SPID B and specifies the time range for the resync request.	NPAC	<ul> <li>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: <ol> <li>For the SVs created in Item a of the prerequisites:</li> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data)</li> </ol> </li> <li>For the SVs in step 'b' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range</li> <li>For the SVs in step 'c' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data)</li> </ul> </li> <li>For the SVs in step 'd' of the prerequisites: <ul> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChang e for all TNs in the range with a subscription version status of 'active'. (Range data)</li> </ul> </li> </ul></li></ul>
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	<ul> <li>The following updates were sent:</li> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range</li> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeDonorSP-</li> </ul>

				CustomerDisconnectDate for all TNs in the range. (Range data)
11.	SP – Optiona 1	Via their SOA, Service Provider Personnel perform a local query for the SPID B data updated in this test case.	SP	<ul> <li>The following results are found:</li> <li>One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range with a subscription version status of 'pending'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range</li> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'active'. (Range data)</li> <li>One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range with a subscription version status of 'old'. (Range data).</li> </ul>

Test Case Number:	2.41	SUT Priority:	SOA	R
		·	LSMS	N/A
Objective:	SOA – Service Provider, will use in production an time (15 – 30 minutes) in accordingly. – Success	nd perform a series of act	ivities simultaneously, th	hat emulate a period of

#### 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**

KEFERENCES			
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	<b>Relevant Flow(s):</b>	N/A
Number:			

## C. PREREQUISITE

Prerequisite Test					
Cases:					
Prerequisite NPAC Setup:	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under test are defaulted to MEDIUM.				
	<ol> <li>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.</li> <li>Verify that there exists 500 "pending" subscription versions for which the Service Provider</li> </ol>				
	<ul> <li>under test is the Old Service Provider and that they are ready to be activated.</li> <li>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.</li> <li>5. Set the following 'SOA Notification Priority' tunable parameters to the values indicated for</li> </ul>				
	<ul> <li>the Service Provider under test:</li> <li>6. Subscription Version Object Creation (S-1.00) = MEDIUM</li> <li>7. Subscription Version Status Attribute Value Change Notification – Activates – To the New</li> </ul>				
	<ul> <li>Service Provider (L-11.0 A1) = HIGH</li> <li>8. Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider (L-11.0 A1.5) = LOW</li> </ul>				
	<ul> <li>9. Subscription Version – Donor SP – Customer Disconnect Date Notification (L-6.0) – HIGH</li> <li>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.</li> </ul>				
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
1.	or SP NPAC & SP	<ul> <li>NPAC and SP Personnel perform the following activities simultaneously and in the order listed</li> <li>Using the SOA, Service Provider Personnel: <ul> <li>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)</li> <li>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)</li> <li>Using the NPAC OpGUI, NPAC Personnel:</li> <li>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)</li> </ul> </li> </ul>		NPAC receives, validates, and starts processing all requests.
		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

		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:	does not send create. Tin Notification Indicator is	ners (T1 & T2) expin set to TRUE for both on notification is sen	e. The NPAC Custo the Old and New S t to both Service Pro	sion. New Service Provider mer No New SP Concurrence ervice Providers. The Final oviders. The subscription

#### **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

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>The SOA sends an M-ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML)</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC SMS for the TN they wish to create.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M- CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator:</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>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).</li> </ul>	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	<ul> <li>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.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje</li> </ul>	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	<ul> <li>ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>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-</li> </ul>	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 SMS.		
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.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA <b>does not</b> respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	<ul> <li>Once the Service Provider</li> <li>Concurrence Window has expired,</li> <li>NPAC SMS issues an M-EVENT-</li> <li>REPORT to the New SP SOA based</li> <li>on their Customer TN Range</li> <li>Notification Indicator:</li> <li>If the setting is TRUE, the</li> <li>NPAC SMS issues an M-</li> <li>EVENT-REPORT</li> <li>subscription VersionRangeNew</li> <li>SP-CreateRequest notification in</li> <li>CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>XML).</li> <li>If the setting is FALSE the</li> <li>NPAC SMS issues an M-</li> <li>EVENT-REPORT</li> <li>subscription VersionNewSP-</li> <li>CreateRequest notification in</li> <li>CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>XML).</li> </ul>	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 <b>does not</b> 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- Authorization set to false) • subscriptionTimeType (if supported) • subscriptionBusinessType	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 supported)		

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		• 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:		
		<ul> <li>subscriptionTN</li> </ul>		
		• subscriptionId		
		<ul> <li>subscriptionId</li> <li>subscriptionOldSP</li> </ul>		
		<ul> <li>subscriptionOtdS1</li> <li>subscriptionNewCurrentSP</li> </ul>		
		-		
		<ul> <li>subscriptionOldSP- DueDate</li> </ul>		
		subscriptionOldSP-		
		Authorization		
		subscriptionOldSP-		
		AuthorizationTimeStamp		
		subscriptionStatusChangeC		
		auseCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		<ul> <li>subscriptionTimerType (if</li> </ul>		
		supported)		
		<ul> <li>subscriptionBusinessType</li> </ul>		
		(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		
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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	
SvNewSpFinalCreateWindowE	
xpirationNotification in XML)	
that contains the following	
attributes:	
• subscriptionTN	
• subscriptionId	
• subscriptionOldSP	
subscriptionNewCurrentSP	
<ul> <li>subscriptionOldSP-</li> </ul>	
• subscriptionOldSP- DueDate	
subscriptionOldSP-	
Authorization	
subscriptionOldSP-	
AuthorizationTimeStamp	
subscriptionStatusChangeC	
auseCode (if	
subscriptionOldSP-	
Authorization set to false)	
<ul> <li>subscriptionTimerType (if</li> </ul>	
supported)	
• subscriptionBusinessType	
(if supported)	

18.	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) from the New
		NOTR – NotificationReply in		SP SOA.
		XML) to the NPAC SMS indicating it successfully received the M-		
		EVENT-REPORT from the NPAC		
		SMS.		
19.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending'.
		for the subscription version created		
20.	SP –	in this test case. Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'mending'
20.	Optiona	perform a local query for the	51	The subscription version exists with a status of 'pending'.
	l	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"
		version.		status of this subscription version. If this is the situation,
				the test case can be passed if it is successful through step 21.
23.	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT to the Old 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) to the NPAC SMS.
		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		
		<ul><li>ation in XML).</li><li>If the setting is FALSE, the</li></ul>		
		• If the setting is FALSE, the NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange in CMIP (or		
		VATN –		
		SvAttributeValueChangeNotific		
24		ation in XML).	a	
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 Notification Indicator indicating that		the NPAC SMS according to their Customer TN Range Notification Indicator, and issues an M-EVENT-REPORT
	1	moundation multator multating that	1	INOUTICATION INDICATOR, AND ISSUES AN INFEVENT-KEFUKI
		the subscription version created		Confirmation in CMIP (or NOTR – NotificationReply in XML)

		<ul> <li>'cancelled':</li> <li>If the setting is TRUE, the NPAC SMS issues a subscriptionVarianPangeStatu</li> </ul>		
		<ul> <li>subscriptionVersionRangeStatu</li> <li>sAttributeValueChange in</li> <li>CMIP (or VATN –</li> <li>SvAttributeValueChangeNotific ation in XML).</li> <li>If the setting is FALSE, the</li> <li>NPAC SMS issues an M-</li> <li>EVENT-REPORT</li> <li>subscriptionVersionStatusAttrib</li> <li>uteValueChange in CMIP (or</li> <li>VATN –</li> <li>SvAttributeValueChangeNotific ation in XML).</li> </ul>		
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 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 '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.

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

#### B. **REFERENCES**

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	RR3-241, RR3-243, R4-8
NANC IIS Version Number:	3.1.0	<b>Relevant Flow(s):</b>	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:	

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>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.</li> </ol>	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. Old SP SOA receives the M-ACTION
5.		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	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range</li> <li>Notification Indicator: <ul> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> </ul> </li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the</li> </ul>	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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		NPAC SMS issues an M- EVENT-REPORT		
		objectCreation in CMIP (or		
		VOCN –		
		SvObjectCreationNotification in XML).		
7.	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 XML) to the NPAC SMS indicating		SOA.
		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		
0	CD	in this test case.	CD	
9.	SP – Optiona	Old SP Personnel perform a local query for the subscription version	SP	The subscription version exists with a status of 'pending'.
	1	created during this test case.		
10.	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.		
11.	NPAC	NPAC SMS waits for concurrence	SP	New SP SOA does not respond to the create request and the
		from the New SP for the TN the Old		Service Provider Concurrence Window tunable expires.
12.	NPAC	SP created. Once the Service Provider	SP	Now SD SOA manipus the M EVENT DEDORT in CMID (
12.	INFAU	Concurrence Window has expired,	ы	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC
		NPAC SMS issues an M-EVENT-		SMS according to their Customer TN Range Notification
		REPORT to the New SP SOA based		Indicator.
		on their Customer TN Range		
		Notification Indicator:		
		• If the setting is TRUE, the		
		NPAC SMS issues an M- EVENT-REPORT		
		subscriptionVersionRangeNew		
		SP-CreateRequest in CMIP (or		
		VNIN –		
		SvNewSpCreateNotification in		
		XML).		
		• If the setting is FALSE the		
		NPAC SMS issues an M- EVENT-REPORT		
		subscriptionVersionNewSP-		
		CreateRequest in CMIP (or		
		VNIN –		
		SvNewSpCreateNotification in		
		XML).		
13.	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) from the New
		NOTR – NotificationReply in XML) to the NPAC SMS indicating		SP SOA.
		it successfully received the M-		
		EVENT-REPORT from the NPAC		
	L		I	

		SMS.		
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA <b>does not</b> 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 <b>does not</b> issue an M-EVENT- REPORT subscriptionVersionNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN – SvNewSpFinalCreateWindowExpir ationNotification in XML).	SP	Old SP SOA <b>does not</b> 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 <b>does not</b> 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 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'.
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.

		<ul><li>'cancelled':</li><li>If the setting is TRUE, the</li></ul>		
		<ul> <li>If the setting is TKOE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> </ul>		
22.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP based on their Customer TN Range</li> <li>Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled':</li> <li>If the setting is TRUE, the NPAC SMS issues a subscription VersionRangeStatu sAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> </ul>	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.

Test Case Number:	3.3	SUT Priority:	SOA	С			
			LSMS	N/A			
<b>Objective:</b>	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**

KEI EKEITCES			
NANC Change Order		Change Order	NANC 179
<b>Revision Number:</b>		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:	

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>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.</li> </ol>	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 subscription VersionNPAC 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
		Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.		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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification</li> </ul>	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.

· · · · · · · · · · · · · · · · · · ·				
		<ul><li>in XML).</li><li>If the setting is FALSE the NPAC SMS issues an M-</li></ul>		
		EVENT-REPORT		
		objectCreation notification in CMIP (or VOCN –		
		SvObjectCreationNotification		
7.	SP	in XML). Old SP SOA issues an M-EVENT-	NDAC	NDAC SMS marine the M EVENT DEDODT Confirmation in
7.	SP	REPORT Confirmation in CMIP (or	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in 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.		
8.	NPAC	NPAC Personnel perform a query for the subscription version created	NPAC	The subscription version exists with a status of 'pending'.
		in this test case.		
9.	SP – Optiona	Old SP Personnel perform a local	SP	The subscription version exists with a status of 'pending'.
	Optiona l	query for the subscription version created during this test case.		
10.	SP –	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		NPAC SMS.
11.	NPAC	version created during this test case. NPAC SMS waits for concurrence	SP	New SP SOA <b>does not</b> respond to the create request and the
	11110	from the New SP for the TN the Old	51	Service Provider Concurrence Window tunable expires.
10	100 1 0	SP created.	<u> </u>	
12.	NPAC	Once the Service Provider Concurrence Window has expired,	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or VNIN – SvNewSpCreateNotification in XML) from the NPAC
		NPAC SMS issues an M-EVENT-		SMS according to their Customer TN Range Notification
		REPORT to the New SP SOA based		Indicator.
		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-		
		Create Request notification in		
		CMIP (or VNIN – SvNewSpCreateNotification in		
		XML).		
13.	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		CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
		XML) to the NPAC SMS indicating		

	it successfully received the M- EVENT-REPORT from the NPAC SMS.		
14. NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA <b>does not</b> 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 <b>does not</b> 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	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) 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 subscriptionId subscriptionOldSP subscriptionOldSP subscriptionOldSP- DueDate subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionOldSP- Authorization set to false) subscriptionOldSP- Authorization set to false) subscriptionOldSP- Authorization set to false) subscriptionTimerType (if supported) subscriptionBusinessType (if supported) 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 Personnel perform a query	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
18.	NPAC		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.

21	SP	<ol> <li>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.</li> <li>The SOA send an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.</li> </ol>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>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).</li> </ul>	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

		<ul> <li>on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M-</li> </ul>		the NPAC SMS according to their Customer TN Range Notification Indicator.
		EVENT-REPORT attributeValueChange notification in CMIP (or VATN – SvAttributeValueChangeNotific		
		ation in XML).		
27.	SP	New SP SOA issues an M-EVENT- REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) from the New SP SOA.
28.	SP	<ol> <li>Using the SOA, New SP Personnel submit a request to the NPAC SMS to activate the single Inter-Service Provider subscription version.</li> <li>The SOA issues an M-ACTION subscriptionVersionActivate Request in CMIP (or ACTQ – ActivateRequest in XML) to the NPAC SMS and specifies the TN.</li> </ol>	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	<ol> <li>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.</li> <li>All LSMSs in the region issue an M-CREATE Response in CMIP (or DNLR – DownloadReply in XML) subscriptionVersion back to the NPAC SMS.</li> <li>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.</li> </ol>
33.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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'.</li> <li>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</li> </ul>	SP	<ul> <li>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.</li> </ul>
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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>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'.</li> </ul>	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.

		<ul> <li>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'.</li> </ul>		
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 1	Via their SOA &/or LSMS, New SP Personnel perform a local query for the subscription version activated during this test case.	SP	<ol> <li>On the SOA, the subscription version exists with an empty Failed SP List.</li> <li>On the LSMS, the subscription version exists with a status of 'active'.</li> </ol>
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.

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

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>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.</li> </ol>	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	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS. NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the	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) from the NPAC SMS indicating the subscription version was successfully created, the
		Old SP SOA indicating the subscription version was successfully created.		status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> </ul>	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	<ul> <li>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.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification</li> </ul>	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).       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         VI       SOA.	
REPORT Confirmation in CMIP (or NOTR – NotificationReply in XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC       CMIP (or NOTR – NotificationReply in XML) from the SOA.	
SMS.	
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     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 'p	
10.     SP –     Old SP Personnel perform an NPAC     SP     The subscription version exists with a status of 'n NPAC SMS.       10.     SMS query for the subscription     NPAC SMS.       0nal     version created during this test case.     NPAC SMS.	pending' on the
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 req Service Provider Concurrence Window tunable of Service Provider Concurrence Window tunable of	
12.       NPAC       Once the Service Provider       SP       New SP SOA receives the M-EVENT-REPORT         VNIN – SvNewSpCreateNotification in XML)       New SP SOA based       Notification in XML) f         SMS according to their Customer TN Range       Notification Indicator.       Indicator.         If the setting is TRUE, the       NPAC SMS issues an M-       EVENT-REPORT         SubscriptionVersionRangeNew       SP-CreateRequest notification 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 –	rom the NPAC tification
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 OF CMIP (or NOTR – NotificationReply in XML) for SP SOA.	

		XML) to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.		
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA <b>does not</b> respond to the create request and the Service Provider Concurrence Final Window tunable expires.
15.	NPAC	<ul> <li>Once the Service Provider</li> <li>Concurrence Window has expired,</li> <li>NPAC SMS determines that the</li> <li>NPAC SMS determines that the</li> <li>NPAC Customer No New SP</li> <li>Concurrence Notification Indicator</li> <li>is set to TRUE for the Old SP.</li> <li>NPAC SMS issues an M-EVENT-</li> <li>REPORT to the Old SP SOA based</li> <li>on their Customer TN Range</li> <li>Notification Indicator.</li> <li>If the setting is TRUE, the</li> <li>NPAC SMS issues an M-EVENT-REPORT</li> <li>subscription/VersionRangeNew</li> <li>SP-</li> <li>FinalCreateWindowExpiration</li> <li>in CMIP (or VNFN –</li> <li>SvNewSpFinalCreateWindowE</li> <li>xpirationNotification in XML)</li> <li>that contains the following</li> <li>attributes:</li> <li>start TN</li> <li>end TN</li> <li>start SVID</li> <li>subscriptionOldSP</li> <li>subscriptionOldSP-</li> <li>DueDate</li> <li>subscriptionOldSP-</li> <li>Authorization</li> <li>subscriptionOldSP-</li> <li>Authorization TimeStamp</li> <li>subscriptionOldSP-</li> <li>Authorization set to false)</li> <li>subscriptionTimerType (if supported)</li> <li>If the setting is FALSE the</li> <li>NPAC SMS issues an M-</li> </ul>	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.
		SP-		

·	-			
		FinalCreateWindowExpiration		
		notification in CMIP (or VNFN		
		-		
		SvNewSpFinalCreateWindowE		
		xpirationNotification in XML)		
		that contains the following		
		attributes:		
		<ul> <li>subscriptionTN</li> </ul>		
		<ul> <li>subscriptionId</li> </ul>		
		<ul> <li>subscriptionOldSP</li> </ul>		
		<ul> <li>subscriptionNewCurrentSP</li> </ul>		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		DueDate		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		AuthorizationTimeStamp		
		<ul> <li>subscriptionStatusChangeC</li> </ul>		
		auseCode (if		
		subscriptionOldSP-		
		Authorization set to false)		
		<ul> <li>subscriptionTimerType (if</li> </ul>		
		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	Now SD SOA door not receive on M EVENT DEDODT is
17.	INFAC		ы	New SP SOA <b>does not</b> receive an M-EVENT-REPORT in CMIP (or VNFN –
		Concurrence Window has expired, NPAC SMS determines that the		CMIP (or VNFN – SvNewSpFinalCreateWindowExpirationNotification in XML)
		NPAC SMS determines that the NPAC Customer No New SP		from the NPAC SMS.
		Concurrence Notification Indicator		nom me ne AC SINS.
		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).		
18.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending'.
	-	for the subscription version created	-	real framework and the second s
		in this test case.		
19.	SP –	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending'.
	Optiona	perform a local query for the		L
	1	subscription version created during		
		this test case.		
L	1	1		

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 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 do 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 version stays in 'conflict amount of time – Succes	' status. Verify that the S		*	

# B. **REFERENCES**

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

## C. PREREQUISITE

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 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 # NPA or S	-	Test Step	NPAC or SP	Expected Result
1. SP	1	<ul> <li>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.</li> <li>Old SP SOA issues an M- ACTION subscription VersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML)</li> </ul>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		to the NPAC SMS for the TN they wish to create.		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for the TN, to create the respective subscription version on the NPAC SMS.	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M- CREATE Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time for the subscription version.
3.	NPAC	NPAC SMS issues an M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>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).</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range</li> <li>Notification Indicator indicating the NPAC successfully processed the subscription version create request from the service provider.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation notification in CMIP</li> </ul>	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		r	
7.	SP	<ul> <li>(or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>Old SP SOA issues an M-EVENT-</li> </ul>	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
7.	Sr	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.
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 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'.
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 <b>does not</b> respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	<ul> <li>Once the Service Provider</li> <li>Concurrence Window has expired,</li> <li>NPAC SMS issues an M-EVENT-</li> <li>REPORT to the New SP SOA based</li> <li>on their Customer TN Range</li> <li>Notification Indicator.</li> <li>If the setting is TRUE, the</li> <li>NPAC SMS issues an M-</li> <li>EVENT-REPORT</li> <li>subscription VersionRangeNew</li> <li>SP-CreateRequest notification</li> <li>in CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>XML).</li> <li>If the setting is FALSE the</li> <li>NPAC SMS issues an M-</li> <li>EVENT-REPORT</li> <li>subscription VersionNewSP-</li> <li>CreateRequest notification in</li> <li>CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>CMIP (or VNIN –</li> <li>SvNewSpCreateNotification in</li> <li>XML).</li> </ul>	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 <b>does not</b> respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	SP created.         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-         DueDate         • subscriptionOldSP-         Authorization         • subscriptionOldSP-         Authorization TimeStamp         • subscriptionOldSP-         Authorization set to false)         • subscr	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		
		notification in CMIP (or VNFN		
		SvNewSpFinalCreateWindowE xpirationNotification in XML)		
		that contains the following		
		attributes:		
		<ul> <li>subscriptionTN</li> </ul>		
		• subscriptionId		
		<ul><li>subscriptionOldSP</li><li>subscriptionNewCurrentSP</li></ul>		
		<ul> <li>subscription/teweurrentsi</li> <li>subscriptionOldSP-</li> </ul>		
		DueDate		
		<ul> <li>subscriptionOldSP-</li> </ul>		
		Authorization		
		subscriptionOldSP- AuthorizationTimeStamp		
		subscriptionStatusChangeC		
		auseCode (if		
		subscriptionOldSP-		
		<ul><li>Authorization set to false)</li><li>subscriptionTimerType (if</li></ul>		
		supported)		
		• subscriptionBusinessType		
		(if supported)		
16.	SP	Old 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 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-SvNewSpFinal Create Window Expiration Notification
		NPAC SMS determines that the		in XML) from the NPAC SMS according to their Customer TN
		NPAC Customer No New SP Concurrence Notification Indicator		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.		
		<ul> <li>If the setting is TRUE, the</li> </ul>		
		NPAC SMS issues a		
		subscriptionVersionRangeNew		
		SP- FinalCreateWindowExpiration		
		notification in CMIP (or VNFN		
		_		
		SvNewSpFinalCreateWindowE		

18     SpirationNotification in XML) that contains the following attributes: <ul> <li>start TN</li> <li>end TN</li> <li>end TN</li> <li>start SVID</li> <li>end SVID</li> <li>subscriptionOldSP</li>             &lt;</ul>	· · · ·		
Image: start SVID     start SVID       is start SVID     end TN       is start SVID     end SVID       is subscriptionOldSP     subscriptionOldSP-       DueDate     subscriptionOldSP-       DueDate     subscriptionOldSP-       Authorization     subscriptionOldSP-       Authorization     subscriptionOldSP-       Authorization     subscriptionOldSP-       Authorization     subscriptionOldSP-       Authorization Set to falso)     subscriptionOldSP-       Authorization set to falso)     subscriptionOldSP-       Authorization set to falso)     subscriptionOldSP-       FinalCreateWindowExpiration     nontification in CMIP (or VNPN)       SNewSpFinalCreateWindowExpiration     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       FinalCreateWindowExpiration     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       SubscriptionOldSP-     subscriptionOldSP-       Authorization TimeStump     subscriptionOldSP-       Authorization TimeStump     subscriptionOldSP- </td <td></td> <td>,  </td> <td></td>		, 	
It     SP     New SP Pool Susception OLSP.       18     SP     New SP Pool Susception OLSP.       Authorization TimeStamp     -       subscriptionOLSP.     Authorization StatusChangeC       auscciptionOLSP.     Authorization set to false)       -     subscriptionOLSP.       Authorization set to false)     -       -     subscriptionOLSP.       Authorization in XLL)     -       with the following auribuses:     -       -     SubscriptionOLSP.       -     subscriptionOLSP.       -     -       -     SubscriptionOLSP.       -     -       -     -       -     -       -     -       -     -       -     -       -     -		, 	that contains the following
Image: start SVID     • cad SVID       • cad SVID     • cad SVID       • subscriptionOldSP     • subscriptionOldSP-       > subscriptionOldSP-     > authorization       • subscriptionOldSP-     > Authorization set to false)       • subscriptionOldSP-     > SubscriptionOldSP-       Authorization in CMIP cor VNPN     - (if supported)       • subscriptionOldSP-     > SubscriptionOldSP-       Authorization in CMIP cor VNPN     - (if subscriptionOldSP-       • finalCreateWindowExpiration     - SubscriptionOldSP-       • subscriptionOldSP-     - Authorization FineStamp <tr< td=""><td></td><td>,  </td><td>attributes:</td></tr<>		, 	attributes:
Image: start SVID     • cad TN       • start SVID     • cad SVID       • cad SVID     • subscriptionOldSP       • subscriptionOldSP-     DucDate       • subscriptionOldSP-     Authorization       • subscriptionOldSP-     Authorization set to false)       • subscriptionOldSP-     SMS issues a       subscriptionOldSP-     FinalCreateWindowExpiration       notification in CMIP (or VNPN     -       • SvNewSpFinalCreateWindowExpiration     -       subscriptionOldSP-     subscriptionOldSP-       • subscriptionOldSP-     -			
18.     SP     New SP     Subscription/USP- subscription/USP- subscription/USP- Authorization       18.     SP     New SP SOA issues an M-EVENT-			
18.     e edd SVID       • subscriptionOldSP       • subscriptionOldSP-       • subscriptionOldSP-       DueDate       • subscriptionOldSP-       Authorization       • subscriptionOldSP-       Authorization set to false)       • subscriptionOldSP-       Authorization set to false)       • subscriptionOldSP-       Authorization set to false)       • subscriptionOldSP-       Authorization in CMIP (or VNFN       -       -       -       SvNewSpFinalCreateWindowE       xpirationNotification in XML)       with following attributes:       • subscriptionOldSP-       -			
18.       SP       New SP       New SP 200 (MSP- subscriptionOldSP- Authorization TimeStamp exubscriptionOldSP- Authorization TimeStamp exubscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization StatusChangeC auseCode (if subscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization STreet exubscriptionOldSP- Authorization STreet exits FALSE, NPAC       New SP Street exits FALSE, NPAC         18.       SP       New SP 200 (MSP- Authorization STREET) exits FALSE, NPAC       New SP Street exits FALSE, NPAC         18.       SP       New SP 200 (MSP- Authorization STREET) exits False       New SP Street exits False         18.       SP       New SP 200 (MSP- Authorization STREET) exits Figure Contents (MSP- Authorization Street exits Figure Contents) exits Figure Contents (MSP- Authorization Street) exits Street (MSP- Authorization Street Figure Contents) exits Figure Contents (MSP- Authorization Street Figure Contents) exits Street (MSP- Authorization Street Figure Contents) exits Street (MSP- Authorization Street Figure Contents) exits Figure Contents Figure Contents Figure Contents Figure Contents Figure Content (MSP- Authorization Street Figure Content (M			
18.       subscriptionNewCurrentSP         9       subscriptionOldSP- DueDate         9       subscriptionOldSP- AuthorizationTimeStamp         9       subscriptionStausChangeC         auseCode (if subscriptionOldSP- Authorization StatusChangeC         9       subscriptionStausChangeC         9       subscriptionTimeType (if supported)         9       subscriptionBusinessType (if supported)         9       subscriptionPusitionBusinessType         9       (if supported)         9       subscriptionVersionNewSP- FinalCreateWindowE         9       subscriptionOldSP- Authorization in XML)         with the following attributes:       subscriptionOldSP- SubscriptionOldSP- Authorization in XML)         9       subscriptionOldSP- Authorization in XML)         9       subscriptionOldSP- Authorization in XML)         9       subscriptionOldSP- Authorization         18       subscriptionOldSP- Authorization set to false)         18       subscriptionOldSP- Authorization set to false)         18       subscriptionBusinessType (if supported)         18       New SP SOA issues a M-EVENT-			
Image: subscriptionOldSP- DueDate     Image: subscriptionOldSP- Authorization       Image: subscriptionOldSP- AuthorizationTimeStamp     Image: subscriptionOldSP- AuthorizationStausChangeC auseCode (if subscriptionTimeType (if supported)       Image: subscriptionBusinesSType (if supported)     Image: subscriptionPuersionNewSP- FrinalCreatWindowExpiration notification in CMIP (or VNFN - SvNewSpFinalCreatWindowExpiration notification in CMIP (or VNFN - SvNewSpFinalCreatWindowExpiration notification in XML) with the following antibutes:       Image: subscriptionVersionNewSP- FrinalCreatWindowExpiration notification in XML)       Image: subscriptionVersionNewSP- FrinalCreatWindowExpiration notification in XML)       Image: subscriptionNewSP- FrinalCreatWindowExpiration notification in XML)       Image: subscriptionNewSP- FrinalCreatWindowExpiration notification subscriptionNdSP- Authorization subscriptionOldSP- Authorization subscriptionOldSP- Authorization set to false)       Image: subscriptionBusinesType (if supported)       Image: subscriptionBusinesType (if supported)       Image: subscriptionBusinesType (if supported)       Image: subscriptionBusinesType (if supported)       Image: subscriptionBusinesType (if supported) <td></td> <td></td> <td>-</td>			-
18     SP     New SP Sol issues an M-FVENT-     NPAC SMS receives the M-EVENT-REPORT Confirmation in			
<ul> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>If the setting is FALSE, NPAC SMS issues a subscriptionOversionNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN</li> <li>SvNewSpFinalCreateWindowE</li> <li>subscriptionOldSP- subscriptionOldSP- subscriptionOldSP- issubscriptionOldSP- finalCreateWindowExpiration notification in CMIP (or VNFN</li> <li>subscriptionOldSP- SubscriptionOldSP- subscriptionOldSP- authorization</li> <li>subscriptionOldSP- authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization set to false)</li> </ul>			-
18.       Authorization       subscriptionOldSP: AuthorizationTimeStamp         auseCode (if subscriptionOldSP: Authorization set to false)       subscriptionTimeType (if supported)         auseCode (if subscriptionBusinessType (if supported)       subscriptionTimeType (if supported)         if the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP: FinalCreateWindowExpiration notification in CMIP (or VNFN -         -       SvNewSpFinalCreateWindowExpiration notification in CMIP (or VNFN -         -       subscriptionNetion in XML) with the following attributes:         -       subscriptionOldSP -         -       subscriptionOldSP -         -       subscriptionOldSP -         -       subscriptionOldSP -         -       subscriptionOldSP- Authorization         -       subscriptionOldSP- Authorization         -       subscriptionOldSP- Authorization         -       subscriptionOldSP- Authorization         -       subscriptionOldSP- Authorization set to false)         -       subscriptionOldSP- Authorisation set to false)         -		, 	
18.     SP     New SP SOA issues an M-EVENT.     NPAC			-
18.       SP       New SP SOA issues an M-EVENT-       NPAC SMS receives the M-EVENT-REPORT Confirmation in			
• subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false)       • subscriptionOldSP- Authorization set to false)         • subscriptionBusinessType (if supported)       • subscriptionBusinessType (if supported)       • subscriptionPersionNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN         -       -       -		, 	-
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC         18.       SP       New SP SOA issues an M-EVENT-       NPAC		, I	auseCode (if
18.       SP       New SP SOA issues an M-EVENT-       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
<ul> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN</li></ul>		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC         18.       SP       New SP SOA issues an M-EVENT-       NPAC		, I	
(if supported)       • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP- FinalCreateWindowExpiration notification in CMIP (or VNFN         -       -         -       SvNewSpFinalCreateWindowExpiration intification in CMIP (or VNFN         -       -         -       SvNewSpFinalCreateWindowExpiration xpirationNotification in XML) with the following attributes: •         •       subscriptionTN •         •       subscriptionOldSP •         •       subscriptionOldSP- DueDate         •       subscriptionOldSP- Authorization         •       subscriptionOldSP- Authorization set to false)         •       subscriptionTimeType (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: <ul> <li>subscriptionId</li> <li>subscriptionOldSP</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionOldSP- Authorization set to false)</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> </ul> 18.       SP       New SP SOA issues an M-EVENT-       NPAC NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues a subscription/VersionNewSP-FinalCreateWindowExpiration notification in CMIP (or VNFN notification in CMIP (or VNFN notification in XML) with the following attributes: <ul> <li>SvNewSpFinalCreateWindowE xpirationNotification in XML) with the following attributes:</li> <li>subscriptionId</li> <li>subscriptionId</li> <li>subscriptionOldSP</li> <li>subscriptionOldSP-DueDate</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization</li> <li>subscriptionOldSP-Authorization set to false)</li> <li>subscriptionOldSP-AuthorizationSType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType</li> <li>SP</li> <li>New SP SOA issues an M-EVENT-NeX</li> </ul>		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in			
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18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, I	- SvNewSpFinalCreateWindowF
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
<ul> <li>subscriptionId</li> <li>subscriptionOldSP</li> <li>subscriptionNewCurrentSP</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false)</li> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>			
<ul> <li>subscriptionOldSP</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionOldSP- Authorization subscriptionOldSP- Authorization set to false)</li> <li>subscriptionOldSP- Authorization Set to false)</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>NPAC NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>			-
<ul> <li>subscriptionNewCurrentSP</li> <li>subscriptionOldSP- DueDate</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- Authorization</li> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false)</li> <li>subscriptionOldSP- Authorization set to false)</li> <li>subscriptionTimeType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>SP</li> <li>New SP SOA issues an M-EVENT-</li> <li>NPAC</li> <li>NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	1
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
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18.       Authorization       Image: SubscriptionOldSP-AuthorizationTimeStamp       Image: SubscriptionStatusChangeC auseCode (if subscriptionOldSP-AuthorizationTimeType)         Image: SubscriptionOldSP-Authorization set to false)       Image: SubscriptionOldSP-Authorization set to false)       Image: SubscriptionTimeType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)         Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinessType (if supported)       Image: SubscriptionBusinesSType (if supported)         Image: SubscriptionBusinesSType (if supported)       Image: SubscriptionBusinesSType (if supported)       Image: SubscriptionBusinesSType (if supported)         Image: SubscriptionBusinesSType (if supported)       Image: SubscriptionBusinesSType (if supported)       Image: Subs		, 	
<ul> <li>subscriptionOldSP- AuthorizationTimeStamp</li> <li>subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false)</li> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>		, 	
18.       AuthorizationTimeStamp       Image: SubscriptionStatusChangeC auseCode (if subscriptionOldSP-Authorization set to false)         Image: SubscriptionTimeType (if subscriptionTimeType (if supported)       Image: SubscriptionBusinessType (if subscripe (if subscriptionBusinesSType (if subscriptionBusin		, I	
<ul> <li>subscriptionStatusChangeC auseCode (if subscriptionOldSP- Authorization set to false)</li> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>SP New SP SOA issues an M-EVENT-</li> <li>NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	i č
<ul> <li>Authorization set to false)         <ul> <li>subscriptionTimerType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> <li>subscriptionBusinessType (if supported)</li> </ul> </li> <li>18. SP New SP SOA issues an M-EVENT- NPAC NPAC SMS receives the M-EVENT-REPORT Confirmation in</li> </ul>		, I	
18.       SP       New SP SOA issues an M-EVENT-       NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, I	
18.     SP     New SP SOA issues an M-EVENT-     NPAC     NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
Image: subscriptionBusinessType (if supported)     Image: subscriptionBusinessType (if supported)       18.     SP     New SP SOA issues an M-EVENT-     NPAC       NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
Image: 18.     SP     New SP SOA issues an M-EVENT-     NPAC     NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
18.         SP         New SP SOA issues an M-EVENT-         NPAC         NPAC SMS receives the M-EVENT-REPORT Confirmation in		, 	
	10	<b>CD</b>	
KEPOKI Confirmation in CMIP (or         CMIP (or NOTR – NotificationReply in XML) from the New	10.	sг	
		· 	KEPOKI CONTITUTION IN CMIP (or       CMIP (or NOTR – NotificationReply in XML) from the New

			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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP based on their Customer TN Range</li> <li>Notification Indicator indicating that the subscription version created during this test case has been set to 'cancelled':</li> <li>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'.</li> <li>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'.</li> </ul>	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.

		<ul> <li>If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN         <ul> <li>SvAttributeValueChangeNotific ation in XML) indicating the status is now 'cancelled'.</li> </ul> </li> <li>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'.</li> </ul>		
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
26.	SP – 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.

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

IKEREQUISITE	
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.
	<ol> <li>Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.</li> </ol>
	<ol> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.</li> </ol>
	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:	

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

		prerequisites above.		
3.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</li> <li>The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</li> </ol>	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	<ul> <li>NPAC SMS receives the M-ACTION Request from the SP SOA and issues an M-ACTION Response</li> <li>InpNotificationRecovery with the following notification data updates to the SP SOA based on their Customer TN Range Notification Indicator:</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeNewSP- FinalCreateWindowExpiration for the single TN subscription version create.</li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionNewSP- FinalCreateWindowExpiration for the single TN subscription version create</li> <li>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.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.</li> </ul>
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 Case Number:	3.7	SUT Priority:	SOA	R
			LSMS	N/A
Objective:	SOA – Service Provider Service Provider <b>does n</b> recovery. – Success <b>Note</b> : Per IIS3_4_1aPart	ot recover Final Create V	Vindow Expiration notifi	cations during

#### **B. REFERENCES**

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

#### C. PREREQUISITE

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.			
	<ol> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.</li> </ol>			
	<ul><li>4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test:</li></ul>			
	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:				

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

		prerequisites above.		
3.	SP	<ol> <li>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</li> <li>The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</li> </ol>	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	<ul> <li>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:</li> <li>If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeObjectCreation notification for the single TN in the subscription version create.</li> <li>If the setting is FALSE, the NPAC SMS issues one M-EVENT-REPORT objectCreation notification for the single TN in the subscription version create.</li> <li>If the setting is FALSE, the NPAC SMS issues one M-EVENT-REPORT objectCreation notification for the single TN in the subscription version create.</li> <li>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.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.</li> </ul>
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 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 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	<ol> <li>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.</li> </ol>	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		
3.	NDAC	the current date and time. NPAC SMS issues an M-ACTION	SP	
5.	NPAC		SP	Old SP SOA receives the M-ACTION Response in CMIP (or OCPR Old Second Party in XML) from the NIPAC SMS
		Response in CMIP (or OCRR – OldSpCreateReply in XML) to the		OCRR – OldSpCreateReply in XML) from the NPAC SMS.
		Old SP SOA.		
4.	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
	i i i i i i	REPORT to the Old SP SOA based	51	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		
		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.	ar	
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).		
		<ul> <li>If the setting is FALSE the</li> </ul>		
	l	- If the setting is I ALSE the		1

		NPAC SMS issues an M- EVENT-REPORT		
		attributeValueChange		
		notification in CMIP (or VATN		
		-		
		SvAttributeValueChangeNotific ation in XML).		
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) from the New
		NOTR – NotificationReply in		SP SOA.
		XML) indicating it successfully		
		received the M-EVENT-REPORT.		
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, Old 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 –	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.		

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			

# B. REFERENCES

REFERENCES			
NANC Change Order		Change Order	NANC 294
<b>Revision Number:</b>		Number(s):	
NANC FRS Version	3.1.0	Relevant	RR5-119
Number:		Requirement(s):	
NANC IIS Version	3.1.0	Relevant Flow(s):	B.5.1.4
Number:			

# 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

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1. S	3P	<ol> <li>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).</li> <li>Old SP SOA issues an M- ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ –</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request in CMIP (or OCRQ – OldSpCreateRequest in XML) from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		OldSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response in CMIP (or OCRR – OldSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>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 –</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>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</li> </ul>	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 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		

# B. REFERENCES

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

# C. **PREREQUISITE**

Prerequisite Test	
Cases:	
Prerequisite NPAC	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 today (in the Service Provider's local time zone) and it has a status of 'pending'.
	3. Verify that the current time is after 7:00PM EST today (next day GMT) in the Old Service
	Provider's time zone.
	4. Verify the SOA Supports SV Type, Optional Data support indicators and Medium Timer
	Support indicator are set to production values for the Service Provider under test. To meet
	the objective of this test case if the service provider under test <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

	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol> <li>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.</li> <li>New SP SOA issues an M- ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ –</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		NewSpCreateRequest in XML) to the NPAC SMS.		
2.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscriptionModifiedTimeStamp and the subscriptionCreationTimeStamp to the current date and time.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response in CMIP (or NCRR – NewSpCreateReply in XML) from the NPAC SMS.
4.	NPAC	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>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).</li> </ul>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeAttri buteValueChange in CMIP (or VATN – SvAttributeValueChangeNotific ation in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT attributeValueChange in CMIP</li> </ul>	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 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'.
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:	4.4	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			

# B. REFERENCES

REFERENCES			
NANC Change Order		Change Order	NANC 294
<b>Revision Number:</b>		Number(s):	
NANC FRS Version	3.1.0	Relevant	RR5-119
Number:		Requirement(s):	
NANC IIS Version	3.1.0	Relevant Flow(s):	B.5.1.3
Number:			

# 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	<ol> <li>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.</li> <li>New SP SOA issues an M- ACTION subscriptionVersionNewSP-</li> </ol>	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request in CMIP (or NCRQ – NewSpCreateRequest in XML) from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		Create in CMID ( NOD C	1	
		Create in CMIP (or NCRQ –		
		NewSpCreateRequest in XML)		
2	NDAC	to the NPAC SMS.	NDAC	
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		
		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		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).		
		<ul> <li>If the setting is FALSE the</li> </ul>		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange in CMIP		
		(or VATN –		
		SvAttributeValueChangeNotific		
5.	CD	ation in XML).	NDAC	
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 in CMIP (or		
		VATN –		
		SvAttributeValueChangeNotific		
		ation in XML).		
		<ul> <li>If the setting is FALSE the</li> </ul>		
		NPAC SMS issues an M-		
		EVENT-REPORT		
			1	

		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
			LSMS	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	<b>Relevant Flow(s):</b>	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	<ol> <li>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).</li> <li>SP SOA issues an M-ACTION subscriptionVersionNew/OldSP -Create in CMIP (or OCRQ – OldSpCreateRequest /NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.</li> </ol>	NPAC	<ol> <li>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.</li> <li>NPAC SMS determines that the due date is for yesterday (GMT). This violates system requirement so it fails the request.</li> </ol>

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 OldSP-Concurrence Req	ugh Saturday. NPAC Per does not include today. Γ. New SP Personnel sub of time the Initial Concurr an OldSP-Concurrence H tunable parameter to a va l Concurrence Window t	rsonnel modify the Long Both Old SP Port Out ar omit an SV Create. Old S rence Window timer has Request notification. NP. alue that does include to imer has expired and the	Business Days tunable ad New SP Port In SP does not concur. not expired and the AC Personnel modify day. After a tunable

# 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	<ol> <li>Using the SOA, New SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC.</li> <li>The SOA sends an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.</li> </ol>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the New SP based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> </ul>	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	<ol> <li>NPAC SMS issues an M- EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation in CMIP (or VOCN – SvObjectCreation Notificati on in XML).</li> <li>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.</li> </ol>	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 <b>does not</b> 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	NPAC	The 'Long Business Days' tunable parameter is modified such
12.	in ne	Personnel modify the 'Long	in ne	that it includes today.
		Business Days' tunable parameter		that it menudes today.
		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 issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VOIN – SvOldSpConcurrenceNotification in XML) from the
		subscriptionVersionOldSP-		NPAC SMS.
		ConcurrenceRequest notification in		
		CMIP (or VOIN –		
		SvOldSpConcurrenceNotification in		
		XML) to the Old SP SOA.		
15.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPROT 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.		
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 1	perform a local query for the		does not contain any Old SP data.
	1	subscription version created during		
10	675	this test case.		
18.	SP – Conditi	New SP Personnel perform an	SP	The subscription version exists with a status of 'pending' on the
	onal	NPAC SMS query for the		NPAC SMS but does not contain any Old SP data.
	onai	subscription version created during		
10	(D)	this test case.	GD	
19.	SP – Optiona	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending' but
		perform a local query for the		does not contain any Old SP data.
	1	subscription version created during		
20.	SP –	this test case.	SP	The subscription region exists with a statem of two disc, in the
20.	SP – Conditi	Old SP Personnel perform an NPAC	Sr	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.
	onui	version created during this test case.		

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 amount of time the Initia NewSP-Create Request to	ugh Saturday. NPAC Per alue that does not include NG. Old SP Personnel sul mount of time the Initial ived a NewSP-Create Re able parameter to a value al Concurrence Window t	ersonnel modify the Long e today. Both Old SP Por bmit an SV Create. New Concurrence Window tir quest notification. NPAG e that does include today.	g Business Days rt Out and New SP Port SP does not submit his ner has not expired and C Personnel modify the After a tunable

# 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	<b>Relevant Flow(s):</b>	B.5.1.1, B.5.1.2, B.5.1.4.3

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

D. TEST STEPS and EXPECTED 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	<ol> <li>Using the SOA, Old SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC.</li> <li>The SOA sends an M-ACTION subscriptionVersionOldSP- Create in CMIP (or OCRQ – OldSpCreateRequest in XML) to the NPAC SMS.</li> </ol>	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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObje ctCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> </ul>	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	<ol> <li>NPAC SMS issues an M- EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML).</li> <li>If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreation in CMIP (or VOCN – SvObjectCreation Notificati on in XML).</li> <li>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.</li> </ol>	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 <b>does not</b> 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	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 issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VOCN – SvObjectCreationNotification in XML) from the
		subscriptionVersionNewSP-Create		NPAC SMS.
		Request notification in CMIP (or		
		VOCN –		
		SvObjectCreationNotification in		
		XML) to the New SP SOA.		
15.	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) from the New
		NOTR – NotificationReply in		SP SOA.
		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 New 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 New 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 New SP data.
	onai	subscription version created during		
10	CD	this test case.	CD	
19.	SP – Optiona	Via their SOA, Old SP Personnel	SP	The subscription version exists with a status of 'pending' but
		perform a local query for the		does not contain any New SP data.
	1	subscription version created during		
20.	CD	this test case.	CD	
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 New SP data.
		version created during this test case.		

# A. <u>TEST IDENTITY</u>

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 ar the Old SP has not receiv Short Business Days tun amount of time the Initia OldSP-Concurrence Req	ough Friday. NPAC Pers does not include today. Γ. Old SP Personnel submount of time the Initial wed an OldSP-Create Rec able parameter to a value of Concurrence Window t	onnel set the Short Busin Both Old SP Port Out ar nit an SV Create. New S Concurrence Window tir quest notification. NPAC that does include today, imer has expired and the	hess Days tunable ad New SP Port In SP does not submit his her has not expired and C Personnel modify the After a tunable

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

#### Row # NPAC **Test Step** NPAC **Expected Result** 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 NPAC Using the SOA, Old SP 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 subscriptionVersionNPAC and issues an M-CREATE Response Request subscriptionVersionNPAC 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. SP 4. NPAC 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. NPAC SP 5. NPAC SMS issues an M-EVENT-Old SP SOA receives the M-EVENT-REPORT in CMIP (or 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).

#### D. TEST STEPS and EXPECTED RESULTS

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NOTR - NotificationReply in

Old SP SOA issues an M-EVENT-

**REPORT** Confirmation in CMIP (or

XML) to the NPAC SMS indicating

SP

6.

SP SOA.

NPAC

NPAC SMS receives the M-EVENT-REPORT Confirmation in

CMIP (or NOTR - NotificationReply in XML) from the New

		it successfully received the M- EVENT-REPORT from the NPAC SMS.		
7.	NPAC	<ol> <li>NPAC SMS issues an M- EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML).</li> <li>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).</li> <li>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.</li> </ol>	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 <b>does not</b> 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	NPAC	The Initial Concurrence Window timer expires.
	iune	amount of time for the Initial	10110	The initial concurrence window timer expires.
		Concurrence Window timer during		
		the business hours for the day.		
14.	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT in CMIP (or
		REPORT		VNIN – SvNewSpCreateNotification in XML) from the NPAC
		subscriptionVersionNewSP-		SMS.
		CreateRequest notification in CMIP		
		(or VNIN –		
		SvNewSpCreateNotification in		
		XML) to the New SP SOA.		
15.	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) from the New
		NOTR – NotificationReply in		SP SOA.
		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 New 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 New 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 New 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	perform a local query for the		does not contain any New SP data.
	1	subscription version created during		
20	CD	this test case.	GD	
20.	SP – Conditi	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		NPAC SMS but does not contain any New SP data.
	Jilai	version created during this test case.		

# A. <u>TEST IDENTITY</u>

Test Case Number: 5	5.4	SUT Priority:	SOA	C
			LSMS	N/A
i i i i i i i i i i i i i i i i i i i	NPAC and SOA – NPAC defaulted to Monday thro parameter to a value that Timers are set to LONG. a tunable amount of time has not received an OldS Business Days tunable pa time the Initial Concurrent Concurrence Request not	bugh Friday. NPAC Pers does not include today. New SP Personnel subm the Initial Concurrence P-Create Request notific arameter to a value that conce Window timer has ex-	onnel set the Short Busin Both Old SP Port Out ar nit an SV Create. Old SF Window timer has not ex cation. NPAC Personnel loes include today. After	hess Days tunable ad New SP Port In does not concur. After spired and the Old SP modify the Short a tunable amount of

# 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	<b>Relevant Flow(s):</b>	B.5.1.2, B.5.1.4.1

Prerequisite Test	
Cases:	
Prerequisite NPAC	<ol> <li>Verify that the SOA Notification Priority tunable parameters are set to the default values for both the Old and the New Service Provider.</li> </ol>
Setup:	<ol> <li>Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through Friday'.</li> </ol>
	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.
	<ol> <li>For the SV Create, specify a due date that is greater than or equal to the NPA-NXX Live Timestamp.</li> </ol>
	<ol> <li>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</li> </ol>
	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 **Test Step** NPAC **Expected Result** 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 NPAC Using the SOA, New SP NPAC SMS receives the M-ACTION 1. Personnel submit an IntersubscriptionVersionNewSP-Create request in CMIP (or NCRQ Service Provider subscription - NewSpCreateRequest in XML) from the New 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. subscriptionVersionNewSP-Create in CMIP (or NCRQ -NewSpCreateRequest in XML) to the NPAC SMS. 3. NPAC NPAC NPAC SMS issues an M-CREATE NPAC SMS receives the M-CREATE Request subscriptionVersionNPAC and issues an M-CREATE Response Request subscriptionVersionNPAC 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 subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp to the current date and time. SP 4. NPAC NPAC SMS issues an M-ACTION New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response in CMIP (or subscriptionVersionNewSP-Create Response in CMIP (or NCRR -NCRR - NewSpCreateReply in XML) from the NPAC SMS NewSpCreateReply in XML) to the indicating the subscription version was successfully created, the New SP SOA indicating the status is 'pending' and the subscriptionModifiedTimeStamp and subscription version was subscriptionCreationTimeStamp were set appropriately. successfully created. NPAC SP 5. NPAC SMS issues an M-EVENT-New SP SOA receives the M-EVENT-REPORT in CMIP (or REPORT to the New SP based on VOCN - SvObjectCreationNotification in XML) from the NPAC SMS. 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 NPAC NPAC SMS receives the M-EVENT-REPORT Confirmation in 6. New SP SOA issues an M-EVENT-**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	<ol> <li>NPAC SMS issues an M- EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRange ObjectCreation in CMIP (or VOCN – SvObjectCreationNotificati on in XML).</li> <li>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).</li> <li>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.</li> </ol>	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 <b>does not</b> 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	NPAC	The Initial Concurrence Window timer expires.
15.	in ne	amount of time for the Initial	MIAC	The finitial Concurrence window timer expires.
		Concurrence Window timer during		
		the business hours for the day.		
14.	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SD SOA manipus the M EVENT DEDODT in CMID (or
14.	NFAC	REPORT	Sr	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		subscriptionVersionOldSP-		VOIN – SvOldSpConcurrenceNotification in XML) from the NPAC SMS.
		ConcurrenceRequest notification in		NPAC SMS.
		CMIP (or VOIN –		
		SvOldSpConcurrenceNotification in XML) to the Old SP SOA.		
15.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation in
15.	ы	REPORT Confirmation in CMIP (or	NFAC	CMIP (or NOTR – NotificationReply in XML) from the Old SP
		NOTR – NotificationReply in		SOA.
		XML) to the NPAC SMS.		SOA.
16.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending' but
	i i i i i i i i i i i i i i i i i i i	for the subscription version created	inne	does not contain any Old SP data.
		in this test case.		does not contain any old of data.
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		doos not contain any ora or ana.
		this test case.		
18.	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 but does not contain any Old SP data.
	onal	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	perform a local query for the		does not contain any Old SP data.
	1	subscription version created during		
		this test case.		
20.	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 but does not contain any Old SP data.
	onal	version created during this test case.		

# **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:	est Case Number: 6.1		SOA	R
			LSMS	N/A
Objective:	jective: NPAC and SOA – NPAC Personnel verify the 'S default values for the Service Provider under tess Provider Personnel requests NPAC Personnel to Priority' tunable parameter values to NONE ther the NPAC SMS generating the notifications that Provider verifies that he does not receive notifications		(New SP) are set to ME modify several of his 'SO perform activities that w have been given prioritie	DIUM. New Service 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	<b>Relevant Flow(s):</b>	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 Test	
Cases:	
Prerequisite NPAC	1. Verify that the Customer TN Range Notification Indicator is set to production values for
Setup:	both the Old and the New Service Providers.
	2. Verify that all 'SOA Notification Priority' tunable parameters for the Old Service Provider are defaulted to MEDIUM.
	3. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider
	under test are defaulted to MEDIUM except for the ones listed in Step 3.
	4. Set the following 'SOA Notification Priority' tunable parameters to NONE for the Service
	Provider under test (New SP):
	Subscription Version New NPA-NXX Notification (L-8.0)
	• Subscription Version Object Creation (S-1.00)
	• Subscription Version Status Attribute Value Change – cancel-pending (L-11.0 G)
	Subscription Version Status Attribute Value Change Notification – Activates – To the
	New Service Provider (L-11.0 A1)
	• Subscription Version Status Attribute Value Change Notification – set to OLD (L-11.0
	E)
	NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these
	attributes will be included in the Subscription Version steps within the test case; these attributes
	will be appropriately included in the notifications recovered.
	NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the
	respective Subscription Version create requests (within the test case body) including the MTI
	indicator; this attribute will be included in the appropriate notifications recovered.

Prerequisite SP	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	<ol> <li>Using the SOA, New SP Personnel submit a First Port Inter-Service Provider subscription version Create request to the NPAC SMS (SV4).</li> <li>The SOA sends an M-ACTION subscriptionVersionNewSP- Create in CMIP (or NCRQ – NewSpCreateRequest in XML) to the NPAC SMS.</li> </ol>	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 <b>does not</b> issue an M- EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) to the New SP.	SP	New SP SOA <b>does not</b> receive an M-EVENT-REPORT objectCreation in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.
6.	NPAC	<ul> <li>NPAC SMS issues and M-EVENT- REPORT to the Old SP SOA based on its Customer TN Range</li> <li>Notification Indicator.</li> <li>If the setting is TRUE, NPAC SMS issues an M-EVENT- REPORT subscriptionVersionRangeObje ctCreation notification in CMIP (or VOCN – SvObjectCreationNotification in XML).</li> <li>If the setting is FALSE, NPAC SMS issues an M-EVENT- REPORT objectCreation notification in CMIP (or VOCN</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VOCN – SvObjectCreationNotification in XML) from the NPAC SMS.

1	1		1	
		<ul> <li>SvObjectCreationNotification in XML).</li> <li>NOTE: If the Service Provider</li> <li>SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.</li> </ul>		
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 <b>does not</b> issue an M- EVENT-REPORT subscriptionVersionNewNPA-NXX in CMIP (or NNXN – NewNpaNxxNotification in XML) to the New SP SOA.	NPAC	New SP SOA <b>does not</b> 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	<ul> <li>NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT</li> </ul>	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS.

	1			
		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-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation in CMIP (or		in CMIP (or NOTR – NotificationReply in XML) from the Old SP SOA.
		NOTR – NotificationReply in XML) to the NPAC SMS.		SF SOA.
15.	NPAC	NPAC SMS does not send an M-	SP	New SP SOA <b>does not</b> receive an M-EVENT-REPORT
		EVENT-REPORT		subscriptionVersionStatusAttributeValueChange in CMIP (or
		subscriptionVersionStatusAttribute		VATN – SvAttributeValueChangeNotification in XML) from
		ValueChange in CMIP (or VATN –		the NPAC SMS.
		SvAttributeValueChangeNotificatio		
		n in XML) with the 'cancel-		
16.	SP	<ul><li>pending' status to the New SP.</li><li>1. Using the SOA, New SP</li></ul>	NPAC	NPAC SMS receives the M-ACTION
10.	51	Personnel submit an activate	Mine	subscriptionVersionActivate from the New SP SOA, verifies
		request for the subscription		that the request is valid and responds to the New SP SOA with
		version referenced in step 1 of		an M-ACTION response in CMIP (or ACTR – ActivateReply
		the Prerequisite SP Setup above		in XML).
		(SV1).		
		2. The SOA sends an M-ACTION		
		subscriptionVersionActivate		
		request in CMIP (or ACTQ – ActivateRequest in XML) to the		
		NPAC SMS.		
17.	NPAC	NPAC SMS issues an M-CREATE	SP	All LSMSs that are accepting downloads for the NPA-NXX
		subscriptionVersion in CMIP (or		receive the M-CREATE subscriptionVersion in CMIP (or
		SVCD – SvCreateDownload in		SVCD – SvCreateDownload in XML) and respond to the
		XML) to all LSMSs that are		NPAC SMS with an M-CREATE Confirmation in CMIP (or
		accepting downloads for the NPA- NXX.		DNLR – DownloadReply. in XML).
18.	NPAC	Once the NPAC SMS receives a	SP	Old SP SOA receives the M-EVENT-REPORT in CMIP (or
		successful response from all LSMSs		VATN – SvAttributeValueChangeNotification in XML) from
		that are accepting downloads for the		the NPAC SMS.
		NPA-NXX it sends an M-EVENT-		
		REPORT to the Old SP SOA based		
		on their Customer TN Range		
		Notification Indicator.		

		<ul> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange notification in CMIP (or VATN         <ul> <li>SvAttributeValueChangeNotific ation in XML) with the subscription version status = 'active'.</li> <li>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'.</li> </ul> </li> </ul>		
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 <b>does not</b> 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 <b>does not</b> receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange in CMIP (or VATN – SvAttributeValueChangeNotification in XML) from the NPAC SMS and still shows the subscription version with a status of 'pending'.
21.	SP	<ol> <li>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).</li> <li>The SOA sends an M-ACTION subscriptionVersionDisconnect request in CMIP (or DISQ – DisconnectRequest in XML) to the NPAC SMS.</li> </ol>	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	<ul> <li>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.</li> <li>If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeDono rSP-CustomerDisconnectDate</li> </ul>	SP	Donor SP SOA receives the M-EVENT-REPORT in CMIP (or VCDN – SvCustomerDisconnectDateNotification in XML) from the NPAC SMS.

		<ul> <li>in CMIP (or VCDN – SvCustomerDisconnectDateNot ification in XML).</li> <li>If the setting is FALSE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionDonorSP- CustomerDisconnectDate in CMIP (or VCDN – SvCustomerDisconnectDateNot ification in XML).</li> </ul>		
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 <b>does not</b> send an M-EVENT-REPORT subscriptionVersionStatusAttribute ValueChange in CMIP (or VATN – SvAttributeValueChangeNotificatio n in XML) to the New SP SOA.	SP	New SP SOA <b>does not</b> 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:	<ol> <li>Verify that the Customer TN Range Notification Indicator is set to FALSE for the Service Provider under test (New SP).</li> <li>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.</li> <li>Set the following 'SOA Notification Priority' tunable parameters to the values indicated for the Service Provider under test (New SP):         <ul> <li>Subscription Version Object Creation = HIGH (S-1.00)</li> <li>Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = LOW (L-11.0 A)</li> </ul> </li> <li>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.</li> <li>NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the</li> </ol>
	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 5000 'pending' subscription versions and have them ready to modify (SV1).
Setup:	2. Create one 'pending' subscription version and have it ready to activate (SV2).

#### **D. TEST STEPS and EXPECTED RESULTS**

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ul> <li>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:</li> <li>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)).</li> </ul>	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

		<ul> <li>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)).</li> <li>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.</li> </ul>		
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. <b>Note:</b> 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:6.3S		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	<ul> <li>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:</li> <li>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</li> </ul>	NPAC	NPAC SMS receives, validates, and processes each request in the order it is received.

		<ul> <li>this test case.</li> <li>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)).</li> <li>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)).</li> </ul>		
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. <b>Note:</b> There is significant timing involved in this test case. By creating the 5000 subscription versions with the Customer TN Range Notification Indicator set to FALSE, enough notifications should be generated to force a queue at the NPAC SMS which will, in turn, utilize the SOA Notification Priority settings. Based on the Old SP settings in the Prerequisite NPAC Setup, the Old SP SOA should receive the M-EVENT-REPORT attributeValueChange notification resulting from the SV Modify and the subscriptionVersionStatusAttributeValueChange notifications resulting from the SV Cancel before it receives all of its M- EVENT-REPORT objectCreation notifications resulting from the SV Creates. NOTE: If the Service Provider SOA supports Optional Data elements and/or SV Type, these attributes will be included in the appropriate Subscription Version notifications. NOTE: If the Service Provider under test supports Medium Timer Indicator, this attribute will be included in the appropriate notifications.

# A. <u>TEST IDENTITY</u>

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 <b>Note</b> : 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 receive hat 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	<b>Relevant Flow(s):</b>	B.7.2

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

	NOTE: If the Service Provider under test supports Medium Timer Indicator, perform the			
	respective Subscription Version create requests (within the test case body) including the MTI			
	indicator; this attribute will be included in the appropriate notifications recovered.			
Prerequisite SP	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

NPAC or SP	Test Step	NPAC or SP	Expected Result
NPAC & SP	<ul> <li>NPAC and SP Personnel perform the following activities</li> <li>simultaneously and in the order listed</li> <li>Using the SOA, Service Provider</li> <li>Personnel: <ul> <li>Create 1000 subscription</li> <li>versions for which you are the New SP (will generate</li> <li>Subscription Version Object</li> <li>Create Notifications). If the service provider under test</li> <li>supports MTI, set the value to False to meet the objective of this test case.</li> </ul> </li> <li>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)</li> <li>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)</li> <li>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)</li> <li>Abort your SOA association Using the NPAC OpGUI, NPAC Personnel:</li> <li>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)</li> </ul>	NPAC	NPAC receives, validates, and starts processing all requests.

r		Blocks listed in Item 4 of the		
		<ul> <li>Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications)</li> <li>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).</li> </ul>		
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 <sup>rd</sup> 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. <b>Note:</b> 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.