

NPAC SMS Release 3.1.0 Turn Up Test Plan

DRAFT

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1. NANC 179 – TN Range notification				
Test Case #	Test Case Description	Req.	IIS Flow	Comments/Issues
NANC 179-1	SOA - Old SP Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. New SP does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success	1, 3, 4, 6, R4-8	B.5.1.2 B.5.1.6.4	subscriptionVersionRangeObjectCreation subscriptionVersionRangeNewSP-CreateRequest subscriptionVersionNewSPFinalCreateWindowExpiration
NANC 179-2	SOA – New Service Provider Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. Old Service Provider Personnel does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success	4, 5, 10	B.5.1.2, B.5.1.6.2 B.5.1.6.3	SubscriptionVersionRangeOldSP-Concurrence Request subscriptionVersionOldSPFinalConcurrenceWindowExpiration
	SOA – Service Provider Personnel create a range of Inter-Service Provider subscription versions. SPs have their Customer TN Range Notification Indicator set to the value they will use in production. Both Old and New Service Providers do their creates. NPAC SMS manages the notifications accordingly. – Success	2, 5, 10	B.5.1.2	subscriptionVersionObjectCreation Regression Test Cases for Creating Subscription Versions for single TN: 8.1.2.1.1.1 8.1.2.1.1.16 8.1.2.1.1.18 8.1.2.1.1.30 8.1.2.1.1.31 NANC 201-1 NANC 201-5 NANC 201-9 Regression Test Cases for Creating Subscription Versions for ranges of TN: NANC 201-2 NANC 201-6 NANC 201-10
NANC 179-3	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. 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	4, 7, 10	B.5.1.5, B.5.1.6	subscriptionVersionRangeObjectCreation subscriptionVersionRangeStatusAttributeValueChange
NANC 179-4	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SVcreate process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The creates are submitted without any other activity in between to ensure that the SVIDs for the TNs in	4, 7, 10	B.5.1.6	subscriptionVersionRangeObjectCreation subscriptionVersionRangeStatusAttributeValueChange

	the ranges are contiguous. The activate request is submitted as one range. The activate request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			
NANC 179-5	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success	4, 7, 10	B.5.1.6	subscriptionVersionRangeObjectCreation subscriptionVersionRangeStatusAttributeValueChange
NANC 179-6	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 LSMS has a problem creating all the TNs and responds with a 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	4, 7, 10	B.5.1.6	subscriptionVersionRangeObjectCreation subscriptionVersionRangeStatusAttributeValueChange
	SOA – Service Provider Personnel modify a range of active SVs. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly and all modifies are successful. – Success	4, 5, 6, 10	B.5.2.1	SubscriptionVersionStatusAttributeValueChange Regression Test Cases for Modify of active Subscription Versions: 8.1.2.2.1.23 8.1.2.2.1.30 8.1.2.2.1.31
	SOA – Service Provider Personnel modify a range of pending SVs. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly and all modifies are successful. – Success	2, 5, 10	B.5.2.1	SubscriptionVersionAttributeValueChange Regression Test Cases for Modify of pending Subscription Versions: 8.1.2.2.1.8 8.1.2.2.1.9 NANC 214-4
	SOA – Both Old and New Service Providers do their create for a range of TNs. Their Customer TN Range Notification Indicators set to the value they will use in production. The old Service Provider cancels the pending SVs. The Cancellation Initial Concurrence Window expires. The Cancellation Final Concurrence Window expires. NPAC SMS manages notifications accordingly. The status of the SVs is set to ‘conflict’. – Success			subscriptionVersionRangeNewSP-CancellationAcknowledge Regression Test Cases for Cancellation of Subscription Versions: 8.1.2.5.1.8
	SOA – Service Provider Personnel perform an immediate disconnect of a range of SVs. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS	2, 4, 5, 6, 10	B.5.4.1	subscriptionVersionRangeDonorSP-CustomerDisconnectDate Regression Test Cases for Disconnect of

	manages notifications accordingly. – Success			Subscription Versions: 8.1.2.3.1.4 8.1.2.3.1.5 8.1.2.3.1.6
	SOA – Service Provider Personnel activate a single SV. Their Customer TN Range Notification Indicator is set to TRUE. Even though this is a single SV activation the NPAC SMS sends the notification in the “Range” format. – Success			SubscriptionVersionRangeObjectCreation Regression Test Cases for Activate of a single Subscription Versions: 8.1.2.4.1.1 8.1.2.4.1.2 8.1.2.4.1.3
	SOA – Service Provider Personnel cancel a range of SVs. Their Customer TN Range Notification is set as it will be in production. NPAC SMS manages notifications accordingly – Success	10		Regression Test Cases for Cancel of Subscription Versions: 8.1.2.5.1.1 8.1.2.5.1.7
NANC 179-7	SOA – Old Service Provider Personnel cancel a range of 50 Inter-Service Provider subscription versions after both Service Providers have initially concurred. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is submitted as one range. The cancel request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success	4, 6, 10	B.5.3.1 B.5.3.1.1	
NANC 179-8	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success	4, 6, 10	B.5.3.1 B.5.3.1.1	
NANC 179-9	SOA – Old Service Provider Personnel modify a range of ‘pending’, Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between the range create requests to ensure that the SVIDs for the TNs in	4, 5, 6, 10	B.5.2.3 or B.5.2.4	

	the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			
NANC 179-10	SOA – Old Service Provider Personnel modify a range of ‘pending’ Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success	4, 5, 6, 10	B.5.2.3 or B.5.2.4	
NANC 179-11	SOA – Old Service Provider Personnel modify a range of ‘conflict’ subscription versions to change the authorization flag from FALSE to TRUE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success	4, 5, 6, 10	B.5.2.3 or B.5.2.4	
NANC 179-12	SOA – Old Service Provider Personnel modify a range of ‘conflict’ subscription versions to change the authorization flag from FALSE to TRUE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success	4, 5, 6, 10	B.5.2.3 or B.5.2.4	
NANC 179-13	SOA – Current Service Provider Personnel perform an immediate disconnect for a range of ‘active’ subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any	4, 5, 6, 10	B5.4.1 B5.4.1.1	

	other activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			
NANC 179-14	SOA – Current Service Provider Personnel disconnect a range of ‘active’ subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification containing a list of the SVIDs. – Success	4, 5, 6, 10	B5.4.1 B5.4.1.1	
	SOA – Service Provider Personnel do a Port-To-Original for a range of ported TNs. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly. – Success			Regression Test Cases for PTO: 8.5.5 (Part of the NPA Split test cases)
	SOA – Service Provider Personnel create a Number Pool Block. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly. – Success			Regression Test Cases for Create of a Number Pool Block: 4.1.1 7.14 (Part of the NPA Split test cases) 7.15 (Part of the NPA Split test cases)
	SOA – Service Provider Personnel delete a Number Pool Block. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly. – Success			Regression Test Cases for Delete of a Number Pool Block: 7.25 (Part of the NPA Split test cases) 7.26 (Part of the NPA Split test cases)
	SOA – Service Provider Personnel port a range of TNs that are part of an active Number Pool Block. Their Customer TN Range Notification Indicator is set to the value they will use in production. NPAC SMS manages notifications accordingly. – Success			Regression Test Cases for porting TNs away from a Number Pool Block: 6.2.8
NANC 179-15	NPAC and SOA – NPAC Personnel do a mass update on several thousand SVs (around 5000) where more than 1000 of the SVs are contiguous and have the same feature data. The Service Provider has their Customer TN Range Notification Indicator to the value they will use in production. NPAC SMS manages notifications accordingly. – Success			
NANC 179-16	SOA – Service Provider has their Customer TN Range Notification Indicator set to the value they will use in production and recovers a mixture of SV notifications for ranges of TNs.– Success	2, 3, 8, 9, RR6-29	B.7.2	
NANC 179-17	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from TRUE to			

	FALSE and recovery is attempted. – Success			
NANC 179-18	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from FALSE to TRUE and recovery is attempted. – Success			.
	SOA – Service Provider has notifications in excess of the max limit queued and attempts to recover them. – Success			The following test cases are available from the test cases of previous releases but are not currently marked for regression testing: ILL 79-3 ILL 79-5 ILL 79-6 NANC 48-5
NANC 179-19	Group Test Case SOA – Service Providers set their Customer TN Range Notification Indicator set to the value they will use in production and they perform a series of activities that would emulate a period of time in an actual production environment: – creates, activates, modifies, activate of Pooled Blocks, delete of Pooled Blocks, disconnects, port of a port, etc. NPAC SMS manages notifications accordingly. – Success			

1. NANC 179 – TN Range Notification Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 179-1	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR 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 TRUE. New SP does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 3, Req 4, Req 6, R4-8, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.1, B.5.1.6.4, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	Verify that the Customer TN Range Notification Indicator is set to TRUE for the Old Service Provider.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 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. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the range of TNs they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN-Range subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization subscriptionLNPTType 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request 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 each TN in the range to create the respective subscription versions on the NPAC SMS.	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 to the Old SP SOA indicating the subscription versions were successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation to the Old SP SOA that contains one set of subscription version information for the range of TNs, the start TN, the end TN, the start SVID and the end SVID.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation that contains one set of subscription version information for the range of TN's, the start TN, the end TN, the start SVID and the end SVID. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation for each TN in the range to the New SP's SOA containing the following attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS. <ul style="list-style-type: none"> If the New SP's Customer TN Range Notification Indicator is set to TRUE, verify that the SOA received a subscriptionVersionRangeObjectCreation with one set of subscription version information the start TN, the end TN, the start SVID and the end SVID. If the New SP'S Customer TN Range Notification Indicator is set to FALSE, verify that the SOA received an objectCreation for each TN in the range with the following subscription version attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization subscriptionLNPTType

		<ul style="list-style-type: none"> subscriptionLNPNType 		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	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'.
9.	SP – Optional	Old SP Personnel 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'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	<p>Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting.</p> <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest that contains one set of subscription version information for the range of TNs, the start TN, and the end TN. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest for each TN in the range. 	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
13.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) 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) from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the range of TN's the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Final Concurrence Window expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration to the Old SP SOA. It contains one set of subscription version information	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration from the NPAC SMS indicating the New SP did not send a Create request for this range of TNs.

		for the range of TNs, the start TN and the end TN.		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
17.	NPAC	NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration that contains one set of subscription version information for the range of TNs, the start TN, and the end TN. If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration for each TN in the range including the following subscription version attributes: <ul style="list-style-type: none"> subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionOldSP-CreationTimeStamp subscriptionVersionStatus subscriptionOldSP-DueDate 	SP	New SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS.
18.	SP	The New SP SOA issues M-EVENT-REPORT Confirmation(s) 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) from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the range of subscription versions created in this test case.	NPAC	The subscription versions exist with a status of 'pending'.
20.	SP – Optional	Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription versions exist with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel 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:	NANC 179-2	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – New Service Provider Personnel create a range of Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. Old Service Provider Personnel does not submit their create request. Initial Concurrence Window Expires. Final Concurrence Window Expires. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.2, B.5.1.6.2, B.5.1.6.3

C. PREREQUISITE

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

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a range of at least two consecutive TNs. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS for the range of TNs they wish to create. The New SP includes the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN-Range subscriptionNewCurrentSP subscriptionOldSP subscriptionNewSP-DueDate (seconds set to zero) subscriptionPortingToOriginal-SP Switch subscriptionLNPTType subscriptionLRN subscriptionCLASS-DPC 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		<ul style="list-style-type: none"> • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC - if supported by the Service Provider SOA • subscriptionWSMSC-SSN - if supported by the Service Provider SOA <p>The following attributes are optional:</p> <ul style="list-style-type: none"> • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId 		
2.	NPAC	NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC to itself for each TN in the range to create the respective subscription versions on the NPAC SMS.	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 subscriptionVersionNewSP-Create Response to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription versions were successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation to the New SP SOA that contains one set of subscription version information for the range of TNs, the start TN, the end TN, the start SVID and the end SVID.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. <ul style="list-style-type: none"> • If the setting is TRUE, the SOA receives a subscriptionVersionRangeObjectCreation with one set of subscription version information (bulleted below) and a paired list of TN/subscription version ID's for the range • If the setting is FALSE, the SOA receives an objectCreation

		<p>tCreation that contains one set of subscription version information for the range of TN's, the start TN, the end TN, the start SVID and the end SVID.</p> <ul style="list-style-type: none"> If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation for each TN in the range to the Old SP's SOA containing the following attributes: <ul style="list-style-type: none"> subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate 		<p>for each TN in the range with the following subscription version attributes:</p> <ul style="list-style-type: none"> subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT(s) from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
8.	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'.
9.	SP – Optional	New SP Personnel 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'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA DOES NOT respond to the create request and the Initial Concurrence Window expires.
12.	NPAC	<p>Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting.</p> <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-ConcurrenceRequest <p>If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORTsubscriptionVersionOldSP-ConcurrenceRequest for each TN in the range.</p>	SP	Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification setting.

13.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) 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) from the Old SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Final Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration to the New SP SOA. It contains one set of subscription version information for the range of TNs, the start TN, and the end TN	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration from the NPAC SMS indicating the Old SP did not send up a Create request for this range of TNs.
16.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
17.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration that contains one set of subscription version information for the range of TNs, the start TN and the end TN. If the setting is FALSE, NPAC SMS issues an M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range including the following subscription version attributes: <ul style="list-style-type: none"> subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. <ul style="list-style-type: none"> If the setting is TRUE, the SOA receives one M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration with one set of subscription version information, the start TN and the end TN. If the setting is False, the SOA receives an M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range with the following subscription version attributes: <ul style="list-style-type: none"> subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate
18.	SP	The Old SP SOA issues M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s)

		REPORT Confirmation(s) to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		from the Old 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	New SP Personnel 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 – Condi tional	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:	NANC 179-3	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Service Provider Personnel activate a range of 1000 Inter-Service Provider subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. 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):	Req 4, Req 7, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.5, B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 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. Verify that 'active' subscription versions do not currently exist for the range of 1000 TNs to be used in this Test Case. 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. Verify that that Due Date has been reached for activating these subscription versions.
Prerequisite SP Setup:	<ol style="list-style-type: none"> Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. 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. 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 range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above.	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response 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 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-ACTION Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-ACTION Request is sent for the first 500 TNs with one set of DPC/SSN data and another M-ACTION Request is sent for the next range of 500 TNs with a different set of DPC/SSN data.	SP	<ol style="list-style-type: none"> 1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Requests and verify that the requests are valid. 2. All LSMSs in the region issue respective M-ACTION Responses to the NPAC SMS. One for the first 500 TNs and one set of DPC/SSN data and one for the second set of 500 TNs and another set of DPC/SSN data. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first set of 500 TNs with one set of DPC/SSN data indicating their subscription version status is now 'active' and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA for the second set of 500 TNs with a different set of DPC/SSN data indicating their subscription version status is now 'active'. • If the setting is FALSE, the 	SP	<p>The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE the Old SP SOA receives both M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS. (One for the first 500 TNs with one set of DPC/SSN data and one for the next contiguous 500 TNs with a different unique set of DPC/SSN data). • If the setting is FALSE the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range (1000).

		NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range of 1000 indicating the status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the New SP SOA for the first set of 500 TNs with one set of DPC/SSN data indicating their subscription version status is now 'active' and a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the second set of 500 TNs with a different set of DPC/SSN data indicating their subscription version status is now 'active'.	SP	New SP SOA receives both M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS. (One for the first 500 TNs with one set of DPC/SSN data and one for the next contiguous 500 TNs with a different unique set of DPC/SSN data).
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the first set of 500 TNs and another M-EVENT-REPORT Confirmation for the second set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s).
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'.
11.	SP – Optional	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Service Provider Personnel activate a range of 200 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the pre-requisite SVcreate process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The creates are submitted without any other activity in between to ensure that the SVIDs for the TNs in the ranges are contiguous. The activate request is submitted as one range. The activate request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 7, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. 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. 3. Verify that ‘active’ subscription versions do not currently exist for the range of 200 TNs to be used in this Test Case. 4. 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. 5. Verify that that Due Date has been reached for activating these subscription versions.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set 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 style="list-style-type: none"> 1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 200 Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION 	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'sending' and set the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response 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 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-ACTION Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	<ol style="list-style-type: none"> 1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Request and verify that the request is valid. 2. All LSMSs in the region issue an M-ACTION Response subscriptionVersion back to the NPAC. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the range of 200 TNs indicating their subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range of 200 indicating the status is 'active'. 	SP	<p>The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE the Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS. • If the setting is FALSE the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionAttributeValueChanged for each TN in the range (200).
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttr	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS.

		ibuteValueChange to the New SP SOA for the range of 200 TNs indicating their subscription version status is now 'active'.		
9.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation 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'.
11.	SP – Optional	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-5	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite SV create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The activate request is submitted as one range. The activate request results in one notification containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 7, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 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. Verify that 'active' subscription versions do not currently exist for the range of 500 TNs to be used in this Test Case. 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. Verify that that Due Date has been reached for activating these subscription versions.
Prerequisite SP Setup:	<ol style="list-style-type: none"> Create one range of 250 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. Create another range of 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. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 500 Inter-Service Provider subscription versions. Specify	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		<p>the range of 500 consecutive TNs described in the prerequisites above.</p> <p>2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs.</p>		
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 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 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-ACTION Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX. One M-ACTION Request is sent for the first 250 TNs, and another M-ACTION 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 style="list-style-type: none"> 1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Requests and verify that the requests are valid. 2. All LSMSs in the region issue M-ACTION Responses back to the NPAC. One for the first 250 TNs and another for the second set of 250 TNs due to the break in the SVID sequence between the two ranges of TNs. 3. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the 500 TNs containing a list of the SVIDs and indicating their subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in 	SP	<p>The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE the Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS for the 500 TNs and it contains a list of the SVIDs. • If the setting is FALSE the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range (500).

		the range of 500 indicating the status is 'active'.		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the New SP SOA for the 500 TNs containing a list of the SVIDs and indicating their subscription version status is now 'active'.	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS for the 500 TNs containing a list of the SVIDs.
9.	SP	New SP SOA issues one M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 500 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
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'.
11.	SP – Optional	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription version exists with an empty Failed SP List. 2. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-6	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
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 LSMS has a problem creating all the TNs and responds with a 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):	Req 4, Req 7, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.6

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. 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. 3. 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. 4. 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. 5. Verify that that Due Date has been reached for activating these subscription versions. 6. Ensure proper LSMS setup for Test Step 5 below to get the desired test case results.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-reported TNs, with one set one set of DPC/SSN data. For example, create 1000-1099. 2. 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 style="list-style-type: none"> 1. Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 100 Inter-Service Provider subscription versions. Specify the range of 100 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs. 	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an	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 subscription version Status to 'sending' and the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION Response 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 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-ACTION Requests subscriptionVersion to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	<ol style="list-style-type: none"> 1. All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Request and verify that the request are valid. 2. All LSMSs in the region EXCEPT ONE, issue an M- ACTION Response subscriptionVersion back to the NPAC. 3. One LSMS in the region issues the following responses: <ul style="list-style-type: none"> • M-ACTION Response indicating success for the first 25 TNs (for example 1000-1024). • M-ACTION Response indicating failure for the next TN (for example 1025). • M-ACTION Response indicating success for the next 45 TNs (for example 1026-1070). • M-ACTION Response indicating failure for the next TN (for example 1071). • M-ACTION Response indicating success for the next 28 TNs (for example 1072-1099). 4. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version create on the local system as specified in the requests from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues the following messages: <ol style="list-style-type: none"> 1. An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange for the first range of 24 TNs (1000- 1024) indicating their subscription version status is now 'active'. 2. An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange for the next TN (1025) indicating its subscription version status is 	SP	The Old SP SOA receives the M-EVENT-REPORT(s) from the NPAC SMS according to their Customer TN Range Notification setting.

		<p>now 'partial fail' and specifying the LSMS that failed the TN.</p> <ol style="list-style-type: none"> 3. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the next range of 45 TNs (1026-1070) indicating their subscription version status is now 'active'. 4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the next TN (1071) indicating its subscription version status is now 'partial fail' and specifying the LSMS that failed the TN. 5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the next range of 28 TNs (1072-1099) indicating their subscription version status is now 'active'. <ul style="list-style-type: none"> • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range of 100. For 98 TNs (1000-1024, 1026-1070 and 1072-1099) that status will be 'active' for 2 TNs (1025 and 1071) the status will be 'partial fail' and the LSMS that failed the TNs will be specified in the FailedSP-List. 		
7.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
8.	NPAC	<p>NPAC SMS issues the following notifications to the New SP SOA:</p> <ol style="list-style-type: none"> 1. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the range of 28 TNs (1000-1024) indicating their subscription version status is now 'active'. 2. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for 1 TN (1025) indicating its subscription version status is now 'partial fail' and specifying the LSMS that failed the TN. 3. An M-EVENT-REPORT subscriptionVersionRangeStatu 	SP	New SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged notifications from the NPAC SMS.

		<p>sAttributeValueChange for the range of 45 TNs (1026-1070) indicating their subscription version status is now 'active'.</p> <p>4. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for 1 TN (1071) indicating its subscription version status is now 'partial fail' and specifying the LSMS that failed the TN.</p> <p>5. An M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the range of 28 TNs (1072-1099) indicating their subscription version status is now 'active'.</p>		
9.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
10.	NPAC	NPAC Personnel perform a query for the range of subscription versions.	NPAC	<ol style="list-style-type: none"> Subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099). Subscription versions exist with a status of 'partial fail' and a Failed SP List for 2 TNs (1025 and 1071).
11.	SP – Optional	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	<ol style="list-style-type: none"> On the SOA, subscription version exists with an empty Failed SP List for 98 TNs (1000-1024, 1026-1070 and 1072-1099). On the SOA, subscription versions exist with a Failed SP List for 2 TNs (1025 and 1071). On the LSMS, subscription versions exist with a status of 'active' for 98 TNs (1000-1024, 1026-1070 and 1072-1099).
12.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	<ol style="list-style-type: none"> 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).

A. TEST IDENTITY

Test Case Number:	NANC 179-7	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel cancel a range of 50 Inter-Service Provider subscription versions after both Service Providers have initially concurred. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The cancel request is submitted as one range. The cancel request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.3.1, B.5.3.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Old SP Customer TN Range Notification Indicators is set to TRUE. 2. 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. 3. Verify that ‘active’ subscription versions do not currently exist for the range of 50 TNs to be used in this Test Case. 4. Verify that the Old SP has concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. 2. Immediately create another range of 25 Inter-Service Provider subscription versions using the next 25 consecutive non-ported TNs with the same set of DPC/SSN data as the first 25 TN range. For example, create 1000-1024 and then immediately create 1025-1049, all with the same set of DPC/SSN data. 3. Verify that the SVIDs are consecutive for the full 50 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to cancel a range of 50 Inter-Service Provider subscription versions for which the New SP has already concurred. Specify the range of 50 consecutive TNs described in the prerequisites above.	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'cancel-pending' and sets the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the Old SP SOA for the range of 50 TNs indicating their subscription version status is now 'cancel-pending'.	SP	The Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT from the Old SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the range of 50 TNs indicating their subscription version status is now 'cancel-pending'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range of 50 TNs indicating their subscription version status is now 'cancel-pending'. 	SP	The New SP SOA receives the M-EVENT-subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS according to their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS. If the setting is FALSE, the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range (50).
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancel-pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription versions	SP	On the SOA, the subscription versions exist with a status of 'cancel-pending'.

		cancelled during this test case.		
10.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of ‘cancel-pending’ on the NPAC SMS.
11.	SP	<ol style="list-style-type: none"> Using the SOA, Old Service Provider Personnel issue a subscription version Cancellation Acknowledgement Request to the NPAC. (Note: This is an optional step that certain SOAs maynot perform) The SOA issues an M-ACTION subscriptionVersionOldSP-CancellationAcknowledge by specifying the range of TNs. 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-CancellationAcknowledge from the Old SP SOA.
12.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscriptionVersionModifiedTimeSt amp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
13.	NPAC	NPAC SMS issues an M-ACTION Response to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
14.	SP	<ol style="list-style-type: none"> Using the SOA, New Service Provider Personnel issue a subscription version Cancellation Acknowledgement Request to the NPAC SMS. The SOA issues an M-ACTION subscriptionVersionNewSP-CancellationAcknowledge by specifying the range of TNs. 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-CancellationAcknowledge from the New SP SOA.
15.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version status to ‘cancelled’ and set the subscriptionCancellationTimeStamp 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.
16.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
17.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Old SP SOA for the range of 50 TNs indicating their subscription version status is now ‘cancelled’.	SP	The Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS.

18.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the set of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT from the Old SP SOA.
19.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged for the range of 50 TNs indicating their subscription version status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range of 50 TNs indicating their subscription version status is now 'cancelled'. 	SP	The New SP SOA receives the M-EVENT-subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS according to their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS. If the setting is FALSE, the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range (50).
20.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
21.	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'.
22.	SP – Optional	Old SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	On the SOA, the subscription versions exist with a status of 'cancelled'.
23.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-8	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – New Service Provider Personnel cancel a range of 5000 Inter-Service Provider subscription versions for which the Old Service Provider has not yet concurred to. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The cancel request is submitted as one range. The cancel request results in one notification containing a list SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.3.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that 5000 consecutive subscription versions exist with a status of 'pending' for the New SP under test. All 5000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 5000 TNs. The first 2500 TNs in the range should be consecutive and then there should be a break between the SVIDs in the next 2500 TNs. 3. Verify that 'active' subscription versions do not currently exist for the range of 5000 TNs to be used in this Test Case. 4. Verify that the Old SP has not concurred to the subscription versions to be cancelled during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 2500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set 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 5000 Inter-Service Provider subscription versions for which	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		<p>the Old SP has not yet concurred. Specify the range of 5000 consecutive TNs described in the prerequisites above.</p> <p>2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs.</p>		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'cancelled' and the subscriptionVersionModifiedTimeStamp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA.	SP	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	<p>NPAC SMS issues M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatusAttributeValueChanged is sent for the range of 5000 TNs containing a list of the SVIDs and indicating their subscription version status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range of 5000 indicating the status is 'active'. 	SP	<p>The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> If the setting is TRUE the Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS for the range of 5000 TNs containing a list of the SVIDs. If the setting is FALSE the Old SP SOA receives an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for each TN in the range (5000).
5.	SP	Old SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS for the set of 5000 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the Old SP SOA.
6.	NPAC	<p>1. NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the New SP SOA for the range of 5000 TNs containing a list of the SVIDs and indicating their subscription version status is now 'cancelled'.</p> <p>2. NPAC SMS issues a second M-EVENT-REPORT subscriptionVersionRangeStatu</p>	SP	New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS for the range of 5000 TNs containing a list of the SVIDs.

		sAttributeValueChange to the New SP SOA for the second set of contiguous 2500 TNs indicating their subscription version status is now 'cancelled'.		
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the range of subscription versions cancelled in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
9.	SP – Optional	New SP Personnel perform a local query for the subscription versions cancelled during this test case.	SP	On the SOA, the subscription version exists with a status of 'cancelled'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-9	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of ‘pending’, Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between the range create requests to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 6 Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.2.3 or B.5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that 50 consecutive subscription versions exist with a status of ‘pending’ where the Old SP is the SP under test. All 50 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 50 TNs. 3. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. 2. Immediately create another range of 25 Inter-Service Provider subscription versions using the next 25consecutive non-ported TNs with the same set of DPC/SSN data as the first 25 TN range. For example, create 1000-1024 with and then immediately create 1025-1049 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 style="list-style-type: none"> 1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from TRUE to FALSE for a range of 50 Inter-Service Provider subscription versions. Specify the range of 50 consecutive TNs described in the prerequisites above. 	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		<p>2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTNRange • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (set to FALSE) • subscriptionStatusChangeCauseCode (set to a valid value) 		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the Old SP SOA for the range of 50 TNs with the following attributes and a list of SVIDs:	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange from the NPAC SMS.
		<ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode • subscriptionVersionStatus 		
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 50 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting.	SP	<p>The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE the New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange from the NPAC SMS. • If the setting is FALSE the New SP SOA receives an M-EVENT-REPORT
		<ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the range 		

		<p>of 50 including a list of SVIDs and the subscription version attributes bulleted below.</p> <ul style="list-style-type: none"> If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeVa lueChange for each TN in the range and includes the following subscription version attributes: <ul style="list-style-type: none"> subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeC auseCode subscriptionVersionStatus 		subscriptionVersionAttributeValueChange for each TN in the range (50).
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
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'.
9.	SP – Optiona l	Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	On the SOA, the subscription version exists with status of 'conflict'.
10.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-10	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of ‘pending’ Inter-Service Provider subscription versions to change the authorization flag from TRUE to FALSE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.2.3 or B5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. Verify that 1000 consecutive subscription versions exist with a status of ‘pending’ 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. 3. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. 2. Perform some other subscription version functions for other TNs that are not part of the range used in this test case to cause a break in SVIDs. 3. Create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs and the same set of DPC/SSN data as the first 500 TNs. For example, create 1000-1499, then perform other subscription version activities to TNs outside of the consecutive 1000 TNs used in this test case, then create 1500-1999 with the same set of DPC/SSN data as was used for TNs 1000-1499. 4. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from TRUE to FALSE for a range of 1000 Inter-Service Provider subscription versions. Specify	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		<p>the range of 1000 consecutive TNs described in the prerequisites above.</p> <p>2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTNRange • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (set to FALSE) • subscriptionStatusChangeCauseCode (set to a valid value) 		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the Old SP SOA for the range of 1000 TNs containing a list of the SVIDs and the following attributes:	SP	Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notifications from the NPAC SMS containing a list of the SVIDs.
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting.	SP	<p>The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange containing a list of the SVIDs.

		<p>subscriptionVersionRangeAttributeValueChange for the range of 1000 TNs containing a list of SVIDs and the subscription version attributes bulleted below.</p> <ul style="list-style-type: none"> If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeVa lueChange for each TN in the range of 1000 including the following subscription version attributes: <ul style="list-style-type: none"> subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeCauseCode subscriptionVersionStatus 		<ul style="list-style-type: none"> If the setting is FALSE the New SP SOA receives an M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range (1000).
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
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'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	On the SOA, the subscription version exists with status of 'conflict'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-11	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of ‘conflict’ subscription versions to change the authorization flag from FALSE to TRUE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other create activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The modify request is submitted as one range. The modify request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.2.3 or B5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. 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. 3. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set 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 style="list-style-type: none"> 1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from FALSE to TRUE for a range of 200 Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION 	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		<p>subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTNRange • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (set to TRUE) • subscriptionStatusChangeCauseCode (set to a valid value) 		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the Old SP SOA for the range of 200 TNs with start and end TNs and the following attributes:	SP	Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange from the NPAC SMS.
		<ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode • subscriptionVersionStatus. 		
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 200 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting.	SP	The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
		<ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the range of 200 containing the start and 		<ul style="list-style-type: none"> • If the setting is TRUE the New SP SOA receives an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange from the NPAC SMS. • If the setting is FALSE the New SP SOA receives an M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in

		<p>end TN and the subscription version attributes bulleted below.</p> <ul style="list-style-type: none"> If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeVa lueChange for each TN in the range of 200 including the following subscription version attributes: <ul style="list-style-type: none"> subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeC auseCode subscriptionVersionStatus 		the range (200).
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA
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 'pending'.
9.	SP – Optiona l	Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	On the SOA, the subscription version exists with status of 'pending'.
10.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-12	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel modify a range of ‘conflict’ subscription versions to change the authorization flag from FALSE to TRUE. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The modify request is submitted as one range. The modify request results in one notifications containing a list of the SVIDs. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.2.3 or B5.2.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE. 2. 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. 3. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set 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 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. For example, create 1000-1004, then perform other subscription version activities to TNs outside of the consecutive 10 TNs used in this test case, then create 1005-1009 with the same set of DPC/SSN data as was used for TNs 1000-1004. 4. Verify that the SVIDs are NOT consecutive for the full 10 TNs..

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from FALSE to TRUE for a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP SOA.

		<p>TNs described in the prerequisites above.</p> <p>2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes:</p> <ul style="list-style-type: none"> • subscriptionTNRange • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (set to TRUE) • subscriptionStatusChangeCause Code (set to a valid value) 		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange to the Old SP SOA for the range of 10 TNs containing a list of the SVIDs and the following attributes:	SP	Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange from the NPAC SMS containing a list of the SVIDs.
		<ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code • subscriptionVersionStatus. 		
5.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification setting.	SP	<p>The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE the New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange for the range of 10 TNs containing a list of the SVIDs. • If the setting is FALSE the New SP SOA receives an M-EVENT-REPORT subscriptionVersionAttribute ValueChange for each TN in the range (10).
		<ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange for the range of 10 TNs in the range containing a list of the SVIDs 		

		<p>and the subscription version attributes bulleted below.</p> <ul style="list-style-type: none"> • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range of 10 including the following subscription version attributes: <ul style="list-style-type: none"> • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode • subscriptionVersionStatus 		
7.	SP	New SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations from the New SP SOA
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 'pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription versions modified during this test case.	SP	On the SOA, the subscription version exists with status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-13	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Current Service Provider Personnel perform an immediate disconnect for a range of ‘active’ subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data. The range create requests are submitted without any other activity between to ensure that the SVIDs for the TNs in the ranges are contiguous. The disconnect request is submitted as one range. The disconnect request results in one notification because the TNs and SVIDs are both contiguous and all TNs in the range have the same feature data. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 5, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.4.1, B5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. Verify that 10 consecutive subscription versions exist with a status of ‘active’ where the current SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 10 TNs.
Prerequisite SP Setup:	<ol style="list-style-type: none"> Create one range of 5 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. Immediately create another range of 5 Inter-Service Provider subscription versions using the next 5 consecutive non-ported TNs with the same set of DPC/SSN data as the first 5 TN range. For example, create 1000-1004 with and then immediately create 1005-1009 with the same set of DPC/SSN data. Verify that the SVs for the range of 10 TNs have a status of ‘active’. Verify that the SVIDs are consecutive for the full 10 TNs.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 10 Inter-Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. The SOA issues an M-ACTION subscriptionVersionDisconnect Request to the NPAC SMS and specifies the range of TNs. 	NPAC	NPAC SMS receives the M-ACTION Request from the Current 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' and the subscriptionCustomerDisconnectDate according to the disconnect request for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version Status to 'sending' and set the subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Donor SP based on their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for the range of 10 TNs indicating the TNs are being disconnected and providing the customer disconnect date. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate for each TN in the range of 10 indicating the TNs are being disconnected and providing the customer disconnect date. 	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. <ul style="list-style-type: none"> If the setting is TRUE the Donor SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate from the NPAC SMS. If the setting is FALSE the Donor SP SOA receives an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate for each TN in the range (10).
6.	NPAC	NPAC SMS issues an M-Delete scoped/filtered Requests subscriptionVersion for the range of TNs being disconnected to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	<ol style="list-style-type: none"> All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Request and verify that the request are valid. All LSMSs in the region issue an M-DELETE Response subscriptionVersion back to the NPAC. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version Status to 'old' and set the subscriptionModifiedTimeStamp and	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.		
8.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the Current SP SOA for the range of 10 TNs indicating their subscription version status is now 'old'.	SP	Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS.
9.	SP	Current SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS for the range of 10 TNs.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for the 10 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 'old'.
11.	SP – Optional	Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. 2. On the LSMS, the subscription versions do not exist.
12.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-14	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Current Service Provider Personnel disconnect a range of ‘active’ subscription versions. Their Customer TN Range Notification Indicator is set to TRUE. In the prerequisite create process the range is submitted as two smaller ranges. The TNs used in the ranges are contiguous and have the same feature data but other create activities are submitted between the range create requests to ensure that the SVIDs for the TNs in the ranges are not contiguous. The disconnect request is submitted as one range. The disconnect 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):	Req 4, Req 5, Req 6, Req 10
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.4.1, B5.4.1.1

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the New SP Customer TN Range Notification Indicator is set to TRUE. Verify that subscription versions exist for the 1000 TNs with a status of ‘active’ where the current SP is the SP under test. All 1000 TNs should have one set of DPC/SSN data. The SVIDs should NOT be consecutive for all 1000 TNs.
Prerequisite SP Setup:	<ol style="list-style-type: none"> Create one range of 500 Inter-Service Provider subscription versions using consecutive non-ported TNs, with one set one set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data. 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. Create another range of 500 InterService 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. Activate all 1000 of these TNs. 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	<ol style="list-style-type: none"> Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 1000 Inter-Service Provider subscription versions. Specify the range of 1000 consecutive TNs described in the prerequisites above. The SOA issues an M-ACTION subscriptionVersionDisconnect 	NPAC	NPAC SMS receives the M-ACTION Request from the Current SP SOA.

		Request to the NPAC SMS and specifies the range of TNs.		
2.	NPAC	NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'disconnect-pending' and the subscriptionCustomerDisconnectDate according to the disconnect request for each TN in the range.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response to the Current SP SOA.	SP	Current SP SOA receives the M-ACTION Response from the NPAC SMS.
4.	NPAC	NPAC SMS issues an M-SET Request to itself to set the subscription version Status to 'sending' and set the subscriptionModifiedTimeStamp and subscriptionBroadcastTimeStamp to the current date and time for all TNs in the range.	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Donor SP based on their Customer TN Range Notification setting: <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for the range of 1000 containing a list of the SVIDs and indicating the TNs are being disconnected and providing the customer disconnect date. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate for each TN in the range of 1000 indicating the TNs are being disconnected and providing the customer disconnect date. 	SP	Donor SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. <ul style="list-style-type: none"> If the setting is TRUE the Donor SP SOA one M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate from the NPAC SMS containing a list of the SVIDs. If the setting is FALSE the Donor SP SOA receives an M-EVENT-REPORT subscriptionVersionDonorSP-CustomerDisconnectDate for each TN in the range (1000).
6.	NPAC	NPAC SMS issues an M-Delete scoped/filtered Requests subscriptionVersion for the range of TNs being disconnected to all LSMSs in the region accepting downloads for this NPA-NXX.	SP	<ol style="list-style-type: none"> All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Request and verify that the request are valid. All LSMSs in the region issue an M-DELETE Response subscriptionVersion back to the NPAC. After each LSMS responds to the NPAC SMS, the LSMSs perform the subscription version deletes on the local system as specified in the requests from the NPAC SMS.
7.	NPAC	NPAC SMS issues an M-SET Request to itself to set the	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.

		subscription version Status to 'old' and set the subscriptionModifiedTimeStamp and subscriptionDisconnectCompleteTimeStamp to the current date and time for all TNs in the range.		
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange to the Current SP SOA for the range of 1000 TNs range containing a list of the SVIDs and indicating their subscription version status is now 'old'.	SP	Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS for the range of 1000 TNs containing a list of the SVIDs.
9.	SP	Current SP SOA issues M-EVENT-REPORT Confirmations to the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmations.
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 'old'.
11.	SP – Optional	Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. 2. On the LSMS, the subscription versions do not exist.
12.	SP – Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-15	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	NPAC and SOA – NPAC Personnel do a mass update on several thousand SVs (around 5000) where more than 1000 of the SVs are contiguous and have the same feature data. The Service Provider has their Customer TN Range Notification Indicator to the value they will use in production. 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):	
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.8.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Current SP Customer TN Range Notification Indicator is set according to their production value. 2. 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.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create and activate a range of 2500 subscription versions within one NPA-NXX. 2. Create and activate a range of 2500 subscription versions within another NPA-NXX using the same LRN as in the previous create. 3. Verify that both ranges of 2500 TNs have the same LRN.

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. Specify the range of 5000 TNs described in the prerequisites above.	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 style="list-style-type: none"> 1. NPAC SMS issues an M-SET Request to all LSMSs in the region accepting downloads for the first NPA-NXX, updating the subscription version attributes with the new values for first range of 2500 TNs in the request. 2. NPAC SMS issues an M-SET Request to all LSMSs in the region accepting downloads for the second NPA-NXX updating the subscription version 	LSMS	<ol style="list-style-type: none"> 1. All LSMSs in the region accepting downloads for the first NPA-NXX receive the M-SET Request from the NPAC SMS with the new subscription version attribute values for the first 2500 TNs in the request. 2. All LSMSs in the region accepting downloads for the second NPA-NXX receive the M-SET Request from the NPAC SMS with the new subscription version attribute values for the second 2500 TNs in the request. 3. All LSMSs that received an M-SET from the NPAC SMS issue an M-SET Response back to the NPAC SMS. 4. After the LSMSs issue the M-SET back the NPAC SMS, they locally update the subscription version attributes per the Mass Update requests.

		attributes with the new values for the second range of 2500 TNs in the request.		
3.	NPAC	<ol style="list-style-type: none"> 1. NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the Current Service Provider (Service Provider under test) indicating the subscription version status is 'active' for the first range of 2500 TNs in the request. 2. NPAC SMS issues a second M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged to the Current Service Provider (Service Provider under test) indicating the subscription version status is 'active' for the second range of 2500 TNs in the request. 	SP	<ol style="list-style-type: none"> 1. Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS for the first 2500 TNs in the request and issues an M-EVENT-REPORT Confirmation back to the NPAC SMS. 2. Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChanged from the NPAC SMS for the second 2500 TNs in the request and issues an M-EVENT-REPORT Confirmation back to the NPAC SMS.
4.	NPAC	NPAC Personnel perform a query for the subscription versions that were updated during this test case.	NPAC	The subscription version attributes were appropriately updated and the status of all the subscription versions is 'active'.
5.	SP - Optional	Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	<ol style="list-style-type: none"> 1. On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List. 2. On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.
6.	SP - Conditional	Current SP Personnel perform an NPAC SMS query for the subscription versions that were updated during this test case.	SP	The subscription versions exist with a status of 'active' and the new LRN on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 179-16	SUT Priority:	SOA LTI	
			SOA	
			non-EDR LSMS	
			EDR LSMS	
Objective:	SOA – Service Provider has their Customer TN Range Notification Indicator set to the value they will use in production and recovers a mixture of SV notifications for ranges of TNs.– Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. While the SP SOA under test is off-line (Row 2 in the Test Steps and Expected Results below) perform the following activities on behalf of the SP under test: <ol style="list-style-type: none"> 1. 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. 2. Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step ‘a’ above. For example, modify 1000-1019. 3. Cancel the last 5 TNs of the subscription versions created in step ‘a’ above. For example, cancel 1045-1049. 4. Activate the first 45 TNs of the subscription versions create in step ‘a’ above. For example, activate 1000-1044. 5. Where the SP under test is the Old SP, create a range of 10 consecutive, non-ported TNs where the Authorization flag is set to TRUE. For example create 2000-2009. 6. Let the Initial and Final Concurrence Timers expire for the subscription versions in step ‘e’. For example, let the timers expire for 2000-2009. 7. Disconnect the 10 subscription versions where the SP under test is the Donor SP. For example, disconnect 3000-3009. 8. 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 OSP issue a respective Create. For example, create 4000-4999. 9. 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. 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. 10. Where SP under test is the New SP, ceate 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. 11. 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.

	<p>12. Activate a range of 50 consecutive TN subscription versions using the TNs combined from steps 'j' and 'k' above. For example, activate 5000-5049.</p> <p>13. Where the SP under test is the New SP, Create a Number Pool Block. For example, create a Number Pool Block for 9000-9999.</p> <p>14. Where the SP under test is the current SP, de-pool a Number Pool Block. For example, de-pool 9000-9999.</p>
Prerequisite SP Setup:	<p>1. Create a range of 10,000 subscription versions.</p> <p>2. Have the old service provider concur to the create request or let the Concurrence Window timers expire.</p> <p>3. Verify that the due date on the subscription versions has been reached.</p>

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<p>1. Using the SOA, Service Provider Personnel submit a request to the NPAC SMS to activate 10,000 subscription versions.</p> <p>2. SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS for 10,000 TNs.</p>	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
3.	NPAC	<p>1. NPAC SMS begins queuing messages destined for the SP SOA.</p> <p>2. NPAC Personnel perform steps 'a - n' of the prerequisites above.</p>	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting.
4.	SP	<p>1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</p> <p>2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</p>	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	The SOA issues an M-ACTION Request InpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	The NPAC SMS receives the M-ACTION and issues an M-ACTION Response InpDownload back to the SOA with the Network Data updates.
6.	SP	The SOA Service Provider issues an M-ACTION Request InpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	<p>The NPAC SMS receives the M-ACTION Request from the SOA Service Provider and issues an M-ACTION Response InpNotificationRecovery with the following notification data updates to the SOA Service Provider:</p> <p>If the SP Customer TN Range Notification Indicator is set to TRUE, the SP will receive:</p> <ol style="list-style-type: none"> For the TNs in Row 1 above: <ul style="list-style-type: none"> One M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for all TNs in the range

			<ol style="list-style-type: none"> 2. For the TNs in step 'a' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeOldSP-Concurrence for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration for all TNs in the range 3. For the TNs in step 'b' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 4. For the TNs in step 'c' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range 5. For the TNs in step 'd' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in SVIDs) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the next 25 TNs in the range (due to a break in SVIDs) 6. For the TNs in step 'e' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 7. For the TNs in step 'f' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeNewSP-CreateRequest for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreatWindowExpiration for all TNs in the range 8. For the TNs in step 'g' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate for all TNs in the range 9. For the TNs in step 'h' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 10. For the TNs in step 'i' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeNewSP-CancellationAcknowledge for all TNs in the range 11. For the TNs in step 'j' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 12. For the TNs in step 'k' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT
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			<p>subscriptionVersionRangeStatusAttributeValueChange for the first 25 TNs in the range (due to a unique set of DPC/SSN data)</p> <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the next 25 TNs in the range (due to a unique set of DPC/SSN data) <p>13. For the Number Pool Block in step ‘m’ of the prerequisites:</p> <ul style="list-style-type: none"> • One M-EVENT-REPORT numberPoolBlockObjectCreation <p>14. For the Number Pool Block in step ‘n’ of the prerequisites:</p> <ul style="list-style-type: none"> • One M-EVENT-REPORT numberPoolBlockDelete <p>If the SP Customer TN Range Notification Indicator is set to FALSE, the SP will receive:</p> <ol style="list-style-type: none"> 1. For the TNs in Row 1 above: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 2. For the TNs in step ‘a’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range 3. For the TNs in step ‘b’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range 4. For the TNs in step ‘c’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 5. For the TNs in step ‘d’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 6. For the TNs in step ‘e’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 7. For the TNs in step ‘f’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionNewSP-CreateRequest for each TN in the range • An M-EVENT-REPORT subscriptionVersionNewSP-FinalCreatWindowExpiration for each TN in the range 8. For the TNs in step ‘g’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscription versionDonorSP-CustomerDisconnectDate for each TN in the range 9. For the TNs in step ‘h’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the
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				<p>range</p> <p>10. For the TNs in step ‘i’ of the prerequisites:</p> <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionNewSP-CancellationAcknowledge for each TN in the range <p>11. For the TNs in step ‘j’ of the prerequisites:</p> <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range <p>12. For the TNs in step ‘k’ of the prerequisites:</p> <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range <p>13. For the Number Pool Block in step ‘m’ of the prerequisites:</p> <ul style="list-style-type: none"> One M-EVENT-REPORT numberPoolBlockObjectCreation <p>14. For the Number Pool Block in step ‘n’ of the prerequisites:</p> <ul style="list-style-type: none"> One M-EVENT-REPORT numberPoolBlockDelete
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	The 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.
8.	SP	The SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optiona 1	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	<p>The following updates were sent:</p> <p>1. For the TNs that are part of Row 1 above:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘active’. <p>2. For the TNs that are part of step ‘a’ in the prerequisites:</p> <ul style="list-style-type: none"> The first 20 subscription versions exist with a status of ‘active’ and a different LRN then the last 25 subscription versions in the range. The next 25 subscription versions in the range exist with a status of ‘active’ and a unique LRN from the first 20 subscription versions in the range. The last 5 subscription versions in the range have a status of ‘old’ (or may not exist depending on local implementation). <p>3. For the TNs that are part of step ‘e’ in the prerequisites:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘conflict’. <p>4. For the TNs that are part of step ‘g’ in the prerequisites:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘old’ (or may not exist depending on local implementation) <p>5. For the TNs that are part of step ‘h’ in the prerequisites:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘cancel-pending’. <p>6. For the TNs that are part of step ‘j’ in the prerequisites:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘active’.

				<p>7. For the TNs that are part of step ‘k’ in the prerequisites:</p> <ul style="list-style-type: none"> The subscription versions exist with a status of ‘active’. <p>8. For the Number Pool Block that is part of step ‘m’ in the prerequisites:</p> <ul style="list-style-type: none"> The Number Pool Block exists and subscription versions of LNP Type ‘POOL’ exist with status of ‘active’. <p>9. For the Number Pool Block that is a part of step ‘n’ in the prerequisites:</p> <ul style="list-style-type: none"> The Number Pool Block does not exist and respective subscription versions exist with a status of ‘old’. (the subscription versions may not exist depending on local implantation)
11.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	<p>The following results are found:</p> <ol style="list-style-type: none"> For the TNs that are part of Row 1 above: <ul style="list-style-type: none"> The subscription versions exist with a status of ‘active’. For the TNs that are part of prerequisites step ‘a’: <ul style="list-style-type: none"> The subscription versions were created and had a status of ‘pending’. For the TNs that are part of prerequisites step ‘b’: <ul style="list-style-type: none"> The ‘pending’ subscription versions were modified to the new LRN. For the TNs that are part of prerequisites step ‘c’: <ul style="list-style-type: none"> The subscription versions were cancelled and have a status of ‘old’. For the TNs that are part of prerequisites step ‘d’: <ul style="list-style-type: none"> All subscription versions in the range have a status of ‘active’, the first 20 subscription versions have one LRN and the next 25 have a different LRN. For the TNs that are part of prerequisites step ‘e’: <ul style="list-style-type: none"> The subscription versions were created and had a status of ‘pending’. For the TNs that are part of prerequisites step ‘f’: <ul style="list-style-type: none"> A notification was sent that the New SP did not concur to these subscription versions. For the TNs that are part of prerequisites step ‘g’: <ul style="list-style-type: none"> The subscription versions have a status of ‘old’. For the TNs that are part of prerequisites step ‘h’: <ul style="list-style-type: none"> The subscription versions were created and had a status of ‘pending’. For the TNs that are part of prerequisites step ‘i’: <ul style="list-style-type: none"> The subscription versions exist with a status of ‘cancel-pending’. For the TNs that are part of prerequisites step ‘j’: <ul style="list-style-type: none"> The subscription versions were created and had a status of ‘pending’. For the TNs that are part of prerequisites step ‘k’: <ul style="list-style-type: none"> The subscription versions were created and had a status of ‘pending’. For the TNs that are part of prerequisites step ‘l’: <ul style="list-style-type: none"> The subscription versions exist with a status of ‘active’. For the Number Pool Block that is part of prerequisites step ‘m’:

				<ul style="list-style-type: none">• The Number Pool Block exists and respective subscription versions with LNP Type 'POOL' exist with a status of 'active'. <p>15. For the Number Pool Block that is part of prerequisites step 'n':</p> <ul style="list-style-type: none">• The Number Pool Block does not exist and the respective subscription versions of LNP Type 'POOL' have a status of 'old'.
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A. TEST IDENTITY

Test Case Number:	NANC 179-17	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from TRUE to FALSE and recovery is attempted. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test. 2. While the SOA under test is off-line (Row 2 of the Test Steps and Expected Results below), perform the following activities on behalf of the SP under test: <ol style="list-style-type: none"> 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 create in step ‘a’ above. For example, activate 1000-1044. e. Modify the Customer TN Range Notification Indicator for the SP under test from TRUE to FALSE. 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.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create a range of 10,000 subscription versions. 2. Have the old service provider concur to the create request or let the Concurrence Window timers expire. 3. Verify that the due date on the subscription versions has been reached.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> Using the SOA, Service Provider Personnel submit a request to the NPAC SMS to activate 10,000 subscription versions. SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS for 10,000 TNs. 	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
3.	NPAC	<ol style="list-style-type: none"> NPAC SMS begins queuing messages destined for the SP SOA. NPAC Personnel perform steps 'a – h' of the prerequisites above. 	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting at the time the notifications occur.
4.	SP	<ol style="list-style-type: none"> After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE. 	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	The SOA issues an M-ACTION Request InpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	The NPAC SMS receives the M-ACTION and issues an M-ACTION Response InpDownload back to the SOA with the Network Data updates.
6.	SP	The SOA Service Provider issues an M-ACTION Request InpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	<p>The NPAC SMS receives the M-ACTION Request from the SOA Service Provider and issues an M-ACTION Response InpNotificationRecovery with the following notification data updates to the SOA Service Provider:</p> <ol style="list-style-type: none"> For the TNs in Row 1 above: <ul style="list-style-type: none"> One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range For the TNs in step 'a' of the prerequisites: <ul style="list-style-type: none"> One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range One M-EVENT-REPORT subscriptionVersionRangeOldSP-Concurrence for all TNs in the range One M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration for all TNs in the range For the TNs in step 'b' of the prerequisites: <ul style="list-style-type: none"> One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range For the TNs in step 'c' of the prerequisites:

				<ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range <ol style="list-style-type: none"> 5. For the TNs in step ‘d’ of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in SVIDs) • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the next 25 TNs in the range (due to a break in SVIDs) 6. For the TNs in step ‘f’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 7. For the TNs in step ‘g’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range 8. For the TNs in step ‘h’ of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange each TN in the range
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	The 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.
8.	SP	The SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optiona 1	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	<p>The following updates were sent:</p> <ol style="list-style-type: none"> 1. For the TNs that are part of Row 1 above: <ul style="list-style-type: none"> • The subscription versions exist with a status of ‘active’. 2. For the TNs that are part of step ‘a’ in the prerequisites: <ul style="list-style-type: none"> • The first 20 subscription versions exist with a status of ‘active’ and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of ‘active’ and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of ‘old’ (or may not exist depending on local implementation). 3. For the TNs that are part of step ‘f’ in the prerequisites: <ul style="list-style-type: none"> • The subscription versions exist with a status of ‘active’. 4. For the TNs that are part of step ‘g’ in the prerequisites: <ul style="list-style-type: none"> • The subscription versions exist with a status of ‘active’.

11.	SP – Condi tional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	<p>The following results are found:</p> <ol style="list-style-type: none"> 1. For the TNs that are part of Row 1 above: <ul style="list-style-type: none"> • The subscription versions exist with a status of ‘active’. 2. For the TNs that are part of prerequisites step ‘a’: <ul style="list-style-type: none"> • The subscription versions were created and had a status of ‘pending’. 3. For the TNs that are part of prerequisites step ‘b’: <ul style="list-style-type: none"> • The ‘pending’ subscription versions were modified to the new LRN. 4. For the TNs that are part of prerequisites step ‘c’: <ul style="list-style-type: none"> • The subscription versions were cancelled and have a status of ‘old’. 5. For the TNs that are part of prerequisites step ‘d’: <ul style="list-style-type: none"> • All subscription versions in the range have a status of ‘active’, the first 20 subscription versions have one LRN and the next 25 have a different LRN. 6. For the TNs that are part of prerequisites step ‘f’: <ul style="list-style-type: none"> • The subscription versions were created and had a status of ‘pending’. 7. For the TNs that are part of prerequisites step ‘g’: <ul style="list-style-type: none"> • The subscription versions were created and had a status of ‘pending’. 8. For the TNs that are part of prerequisites step ‘h’: <ul style="list-style-type: none"> • The subscription versions exist with a status of ‘active’.
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A. TEST IDENTITY

Test Case Number:	NANC 179-18	SUT Priority:	SOA LTI	
			SOA	
			non-EDR LSMS	
			EDR LSMS	
Objective:	SOA – Service Provider has notifications queued. Service Provider aborts their SOA association. Service Provider changes their Customer TN Range Notification Indicator value from FALSE to TRUE and recovery is attempted. – Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test. 2. While the SOA under test is off-line (Row 2 of the Test Steps and Expected Results below), perform the following activities on behalf of the SP under test: <ol style="list-style-type: none"> 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 create 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.
Prerequisite SP Setup:	<ol style="list-style-type: none"> 1. Create a range of 10,000 subscription versions. 2. Have the old service provider concur to the create request or let the Concurrence Window timers expire. 3. Verify that the due date on the subscription versions has been reached.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> Using the SOA, Service Provider Personnel submit a request to the NPAC SMS to activate 10,000 subscription versions. SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS for 10,000 TNs. 	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.
2.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
3.	NPAC	<ol style="list-style-type: none"> NPAC SMS begins queuing messages destined for the SP SOA. NPAC Personnel perform steps 'a – h' of the prerequisites above. 	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting at the time the notifications occur.
4.	SP	<p>After all the prerequisites have been completed, SP Personnel bring their SOA back on-line.</p> <p>The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE.</p>	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	The SOA issues an M-ACTION Request InpDownload (network data) to the NPAC SMS and specifies the time range for the resync request.	NPAC	The NPAC SMS receives the M-ACTION and issues an M-ACTION Response InpDownload back to the SOA with the Network Data updates.
6.	SP	The SOA Service Provider issues an M-ACTION Request InpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	<p>The NPAC SMS receives the M-ACTION Request from the SOA Service Provider and issues an M-ACTION Response InpNotificationRecovery with the following notification data updates to the SOA Service Provider:</p> <ol style="list-style-type: none"> For the TNs in Row 1 above: <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range For the TNs in step 'a' of the prerequisites: <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range For the TNs in step 'b' of the prerequisites: <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range For the TNs in step 'c' of the prerequisites: <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for

				<p>each TN in the range</p> <ol style="list-style-type: none"> 5. For the TNs in step 'd' of the prerequisites: <ul style="list-style-type: none"> • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for the each TN in the range 6. For the TNs in step 'f' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 7. For the TNs in step 'g' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range 8. For the TNs in step 'h' of the prerequisites: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	The 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.
8.	SP	The SOA receives the M-ACTION Response from the NPAC SMS with the data updates since the association was re-established.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optional	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	<p>The following updates were sent:</p> <ol style="list-style-type: none"> 1. For the TNs that are part of Row 1 above: <ul style="list-style-type: none"> • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: <ul style="list-style-type: none"> • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'f' in the prerequisites: <ul style="list-style-type: none"> • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of step 'g' in the prerequisites: <ul style="list-style-type: none"> • The subscription versions exist with a status of 'active'.
11.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	<p>The following results are found:</p> <ol style="list-style-type: none"> 1. For the TNs that are part of Row 1 above: <ul style="list-style-type: none"> • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of prerequisites step 'a': <ul style="list-style-type: none"> • The subscription versions were created and had a status of 'pending'.

			<ol style="list-style-type: none"> 3. For the TNs that are part of prerequisites step 'b': <ul style="list-style-type: none"> • The 'pending' subscription versions were modified to the new LRN. 4. For the TNs that are part of prerequisites step 'c': <ul style="list-style-type: none"> • The subscription versions were cancelled and have a status of 'old'. 5. For the TNs that are part of prerequisites step 'd': <ul style="list-style-type: none"> • All subscription versions in the range have a status of 'active', the first 20 subscription versions have one LRN and the next 25 have a different LRN. 6. For the TNs that are part of prerequisites step 'f': <ul style="list-style-type: none"> • The subscription versions were created and had a status of 'pending'. 7. For the TNs that are part of prerequisites step 'g': <ul style="list-style-type: none"> • The subscription versions were created and had a status of 'pending'. 8. For the TNs that are part of prerequisites step 'h': <ul style="list-style-type: none"> • The subscription versions exist with a status of 'active'.
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Group Test Case

A. TEST IDENTITY

Test Case Number:	NANC 179-19	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	Group Test Case SOA – Service Providers set their Customer TN Range Notification Indicator set to the value they will use in production and they perform a series of activities simultaneously, that emulate a period of time in an actual production environment: – creates, activates, modifies, activate of Pooled Blocks, delete of Pooled Blocks, disconnects, port of a port, etc. 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):	
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the Customer TN Range Notification Indicators are set to the production values for the service providers under test. 2. Each SP under test should perform activities in Rows 1-6 below consecutively and as fast as they can, without any delay between rows. 3. NPAC Personnel perform activities in Row 7 below at the same time that SPs are performing activities in Rows 1-6. 4. Verify that the NPA-NXX already exists for the subscription versions that are to be Created in Row 1 below. These should be consecutive, non-ported TNs. Each SP identifies the set of 100 TNs they are going to create in Row 1. 5. Verify that 500 consecutive subscription versions exist with a status of ‘pending’ for which New SP under test will activate in Row 2 below. Verify that ‘active’ subscription versions do not currently exist for these 500 TNs. Verify that the DPC/SSN data is the same for each TN within the range. Verify that all SVIDs are consecutive within the range. Verify that the Old SP has concurred or the Concurrence Window has expired for receiving the Old SP Create for these subscription versions. Each SP identifies the set of 500 TNs they are going to activate in Row 2. 6. Verify that 1000 consecutive subscription versions exist with a status of ‘pending’ for which SPs under test will cancel in Row 3 below. Verify that the SP has issued a create for the subscription versions – but that the ‘other’ SP has not yet concurred. Verify that the first 500 TNs in the range have one set of DPC/SSN data while the next consecutive 500 TNs in the range have another, unique set of DPC/SSN data. Verify that the SVIDs are consecutive for all 1000 TNs in the range. Each SP identifies the set of 1000 TNs they are going to cancel in Row 3. 7. Verify that 50 consecutive subscription versions exist with a status of ‘active’ for which the SP under test will modify in Row 4 below. Verify that the SP under test is the current SP for each of the subscription versions. Verify that all 50 subscription versions have the same LRN/DPC and SSN data. Verify that the first 25 TNs in the range have consecutive SVIDs, and then there is a break before the next set of 25 TNs in the range has consecutive SVIDs. Each SP identifies the set of 50 TNs they are going to modify in Row 4.

	<p>8. Verify that 1000 consecutive subscription versions exist with a status of ‘active’ and an empty Failed SP List for which the SP under test will request an immediate disconnect in Row 5 below. Verify that the SP under test is the current SP. Verify that the DPC/SSN data is the same for all TNs in the range. Verify that the SVIDs are consecutive across the full 1000 TN range. Each SP identifies the set of 1000 TNs they are going to disconnect in Row 5.</p> <p>9. (Conditional) Verify that the NPA-NXX-X already exists for which the SP under test is going to create a respective number pool block in Row 6 below. Each SP identifies the number pool block they are going to create in Row 6.</p> <p>10. Verify that the NPA-NXX-X and respective number pool block exist for which the NPAC personnel are going to de-pool in Row 7..</p>
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit range Inter-Service Provider subscription version create requests to the NPAC specifying 100 consecutive, non-ported TNs. The SOA systems issue M-ACTION subscriptionVersion(New/Old)SP-Create requests to the NPAC SMS that include all required subscription version attributes. 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersion(New/Old)SP-Create requests from the SP SOA systems and verify that each request is valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs. NPAC performs necessary broadcasts to the ‘other’ SPs that are party to these create requests.
2.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit range subscription version activate requests to the NPAC specifying 500 consecutive TNs with a current status of ‘pending’. The SOA systems issue M-subscriptionVersionActivate requests to the NPAC SMS and specify a their range of TNs. 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersionActivate requests from the SP SOA systems and verify that each request is valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs. NPAC performs processing with LSMSs in the region accepting downloads for these NPA-NXXs.
3.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit range subscription version cancel requests to the NPAC. The SOA systems issue M-subscriptionVersionCancel requests to the NPAC SMS and specify a range of TNs. 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersionCancel requests from the SP SOA systems and verify that each request is valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs. NPAC performs necessary broadcasts to the ‘other’ SPs that are party to these subscription versions regarding these cancellation requests.
4.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit range subscription version 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersionModify requests from the SP SOA systems and verify that each request is valid according to

		<p>modify requests to the NPAC.</p> <ol style="list-style-type: none"> The SOA systems issue M-subscriptionVersionModify requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP. 		<p>system requirements.</p> <ol style="list-style-type: none"> NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs.
5.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit range subscription version Immediate Disconnect requests to the NPAC. The SOA systems issue M-subscriptionVersionDisconnect requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP. 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersionDisconnect requests from the SP SOA systems and verify that each request is valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs. NPAC performs processing with LSMs in the region accepting downloads for these NPA-NXXs.
6.	SP	<ol style="list-style-type: none"> Using their SOA systems, multiple SP Personnel submit Number Pool Block create requests to the NPAC. The SOA systems issue M-ACTION numberPool BlockCreate requests to the NPAC SMS. 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION numberPoolBlockCreate requests from the SP SOA systems and verify that each request is valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC SMS issues an M-ACTION response back to the SPs. NPAC performs processing with LSMs in the region accepting downloads for these NPA-NXXs and NPA-NXX-Xs.
7.	SP	Using NPAC OP GUI, NPAC Personnel submit multiple NPA-NXX-X de-pool requests on behalf of multiple SPs.	NPAC	<ol style="list-style-type: none"> NPAC SMS determines the de-pool requests are valid according to system requirements. NPAC SMS performs internal processing related to this request. NPAC performs processing LSMs in the region accepting downloads for these NPA-NXX-Xs.
Following is NPAC notification processing related to Rows 1-7 above.				
1.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings.</p> <ul style="list-style-type: none"> If the setting is TRUE: NPAC issues <ul style="list-style-type: none"> An M-EVENT-REPORT subscriptionVersionRangeObjectCreation to to both the New and Old SPs SOA for the TN ranges created. When the Service Provider Concurrence Window tunable expires the NPAC issues an M-EVENT REPORT subscriptionVersionRange(Old/New)SP-Concurrence request to any (Old/New) SP that did 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator setting. SP personnel verify that they received the notifications. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'pending'. (Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'pending'.

		<p>not concur to the range Create as well as to the respective (New/Old) SPs for the TN ranges created.</p> <ul style="list-style-type: none"> When the Service Provider Concurrence Failure Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersionRange(Old/New)SP-FinalCreateWindowExpiration to any (Old/New) SP that still has not concurred to the range Create as well as to the respective (New/Old) SPs for the TN ranges created. If the setting is FALSE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionObjectCreation to both the New and Old SPs SOA for each TN in each of the ranges created. When the Service Provider Concurrence Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersion(Old/New)SP-Concurrence request to any (Old/New) SP that did not concur to the range Create as well as to the respective (New/Old) SPs for each TN in each of the ranges created. When the Service Provider Concurrence Failure Window tunable expires the NPAC issues an M-EVENT-REPORT subscriptionVersion(Old/New)SP-FinalCreateWindowExpiration to any (Old/New) SP that still has not concurred to the range Create as well as to the respective (New/Old) SPs for each TN in each of the ranges created. 		
2.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings.</p> <ul style="list-style-type: none"> If the setting is TRUE: NPAC issues: <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionRangeStat 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator setting. SP personnel verify that they received the notifications. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'active', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. (Optional) SP Personnel verify that the subscription

		<p>usAttributeValueChange to both the New and Old SPs SOA for the TN ranges activated. This notification will include the status of the subscription versions (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List).</p> <ul style="list-style-type: none"> If the setting is FALSE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to both the New and Old SPs SOA for each TN in each of the ranges activated. This notification will include the status of the subscription versions (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). 		<p>versions exist with the correct status (either 'active', 'failed', or 'partial-fail') according to what the NPAC broadcasted on their LSMS.</p> <ol style="list-style-type: none"> (Conditional) SP Personnel verify tat the subscription versions exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.
3.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings.</p> <ul style="list-style-type: none"> If the setting is TRUE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionRangeStat usAttributeValueChange to the SP SOAs for the first 500 TNs in the ranges that were cancelled. As well as a subscriptionVersionRangeStat usAttributeValueChange to the SP SOA for the next 500 TNs in the ranges that were cancelled. There are two notification because the full range did not have the same DPC/SSN data across all TNs. This notification will include the status of the subscription versions 'old'. If the setting is FALSE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange to the SP SOAs for each TN in each of the ranges cancelled. This notification will include the status of the subscription versions 'old'. 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator setting. SP personnel verify that they received the notifications. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'old', or do not exist (depending on local implementation). (Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'old'.

4.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings.</p> <ul style="list-style-type: none"> If the setting is TRUE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the SP SOAs for the first 25 TNs in the ranges that were modified. As well as an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange to the SP SOA for the next 25 TNs in the ranges that were modified. There are two notification because the full range did not have consecutive SVIDs through all TNs in the range. If the setting is FALSE: NPAC issues an M-EVENT-REPORT subscriptionVersionAttributeValueChange to the SP SOAs for each TN in each of the ranges modified. 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator setting. SP personnel verify that they received the notifications. (Optional) SP Personnel verify that the subscription versions exist on their local system with a status of 'active', and the modified subscription version values. (Conditional) SP personnel verify that the subscription versions exist on the NPAC with a status of 'active' and the modified subscription version values.
5.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings.</p> <ul style="list-style-type: none"> If the setting is TRUE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionRangeDonorSP-CustomerDisconnectDate to the Donor SPs SOA for the TN ranges disconnected. an M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange request to the current SP for the TN ranges disconnected. This notification will include the status of the subscription versions (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). If the setting is FALSE: NPAC issues <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionDonorSP- 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications according to their Customer TN Range Notification Indicator setting. SP personnel verify that they received the notifications. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. *If the status is really 'old' then depending on the local implementation, the subscription version may not exist. (Optional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', or 'active') according to what the NPAC broadcasted on their LSMS. (Conditional) SP Personnel verify that the subscription versions exist with the correct status (either 'old', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.

		<p>CustomerDisconnectDate to the Donor SPs SOA for each TN in each of the ranges disconnected.</p> <ul style="list-style-type: none"> an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange request to the current SP for each TN in each of the ranges disconnected. This notification will include the status of the subscription versions (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). 		
6.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs:</p> <ul style="list-style-type: none"> an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange request to the current SP for the number pool blocks created. This notification will include the status of the number pool blocks (either 'active', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications. SP personnel verify that they received the notifications. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. (Optional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'active') according to what the NPAC broadcasted on their LSMS. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA.
7.	NPAC	<p>NPAC issues the following M-EVENT-REPORT notifications to SPs:</p> <ul style="list-style-type: none"> an M-EVENT-REPORT numberPoolBlockStatusAttributeValueChange request to the current SP for the number pool blocks created. This notification will include the status of the number pool blocks (either 'old', 'failed' with a Failed SP List or 'partial-fail' with a Failed SP List). 	SP	<ol style="list-style-type: none"> SP SOA systems receive the M-EVENT-REPORT notifications. SP personnel verify that they received the notifications. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'failed' and Failed SP List, or 'partial-fail' and Failed SP List) according to what the NPAC broadcasted on their SOA. (Optional) SP Personnel verify that the number pool blocks exist with the correct status (either 'old', 'active') according to what the NPAC broadcasted on their LSMS. (Conditional) SP Personnel verify that the number pool blocks exist with the correct status (either 'active', 'failed' with a Failed SP List, or 'partial-fail' with a Failed SP List) according to what the NPAC broadcasted to their SOA. If the number pool block was successfully deleted (status='old'), SP Personnel verify that the NPA-NXX-X was deleted from the NPAC SMS.

2. NANC 240 – No Cancellation of SVs Based on Expiration of T2 Timer				
Test Case #	Test Case Description	Req.	IIS Flow	Comments/Issues
NANC 240-1	SOA – Old Service Provider creates a single TN subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. The Final Create Window Expiration notification is sent to both Service Providers. The subscription version stays in 'pending' status for a tunable amount of time. Verify that subscription version status is changed to 'cancelled' after tunable amount of time. – Success	1, 3, 5, 7, R4-8	B5.1.1, B.5.1.6.4	
NANC 240-2	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	4, 6, R4-8	B5.1.1, B.5.1.6.4	
NANC 240-3	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 TRUE for the New Service Provider and to FALSE for the Old Service Provider. The Final Create Window Expiration notification is sent to the New Service Provider. The subscription version stays in 'pending' status for a tunable amount. – Success	1, 4, 6, 7	B5.1.1, B.5.1.6.4	
NANC 240-4	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New Service Provider and to TRUE for the Old Service Provider. The Final Create Window Expiration notification is sent to the Old Service Provider. The subscription version stays in 'pending' status for a tunable amount of time. – Success	1, 4, 6, 7	B5.1.1, B.5.1.6.4	
NANC 240-5	Old SP creates a subscription version with authorization flag set to FALSE, New SP does not send create, timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New SPs. The Final Create Window Expiration notification is sent to both SPs and it contains the cause code. The subscription version stays in 'conflict' status. Verify that the SV status is changed to 'cancelled' after tunable amount of time – Success	1, 2, 7	B5.1.1, B.5.1.6.4	Need to have tunable for 'conflict' to 'cancelled' set to a small value.
NANC 240-6	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to TRUE. Service Provider recovers Final Create Window	1, RR6-29	B.7.2	

	Expiration notifications during recovery. – Success			
NANC 240-7	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to FALSE. Service Provider does not recover Final Create Window Expiration notifications during recovery. – Success	4, RR6-29	B.7.2	

2. NANC240 – No Cancellation of SVs Based on Expiration of T2 Timer Test Cases:

A. TEST IDENTITY

Test Case Number:	NANC 240-1	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider creates a single TN subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. The Final Create Window Expiration notification is sent to both Service Providers. The subscription version stays in ‘pending’ status for a tunable amount of time. Verify that subscription version status is changed to ‘cancelled’ after tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 3, Req 5, Req 7, R4-8
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.1.1, B5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<ul style="list-style-type: none"> subscriptionLNPTType 		
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 to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
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 – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-Concurrence request. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Concurrence request. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-FinalCreateWindowExpiration request to the Old SP SOA. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.

		subscriptionVersionRangeNew SP-FinalCreateWindowExpiration for the TN to the Old SP SOA.		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNew SP-FinalCreateWindowExpiration • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
18.	SP	The New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
19.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	NPAC Personnel verify that the subscription version exists with a status of 'pending'.
20.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	On the SOA, verify that the subscription version exists with a status of 'pending'.
21.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	Verify that the subscription version exists with a status of 'pending' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator setting indicating that the subscription version created during this test case	SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.

		<p>has been set to 'cancelled':</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChanged indicating the status is 'cancelled'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged for the TN indicating the status is 'cancelled'. 		
24.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator setting indicating that the subscription version created during this test case has been set to 'cancelled':</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChanged. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged. 	SP	The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'cancelled'.
26.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled'.
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 240-2	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. The Final Create Window Expiration notification is not sent to either Service Provider. The subscription version stays in ‘pending’ status for a tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, Req 6, %4-8
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.1.1, B5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the TN they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization • subscriptionLNPTtype 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request 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	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE

		to itself for the TN, to create the respective subscription version on the NPAC SMS.		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 to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP –	Old SP Personnel perform a local	SP	The subscription version exists with a status of 'pending'.

	Optional	query for the subscription version created during this test case.		
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-Concurrence. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Concurrence 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP.	NPAC	NPAC SMS does not generate a subscriptionVersionNewSP-FinalCreateWindowExpiration notification to the Old SP.
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.	NPAC	NPAC SMS does not generate a subscriptionVersionNewSP-FinalCreateWindowExpiration notification to the New SP.
17.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of ‘pending’.
18.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’.
19.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
20.	NPAC	The Pending Subscription Retention	NPAC	NPAC SMS automatically sets the subscription version status to

		parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.		'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 setting indicating that the subscription version created during this test case has been set to 'cancelled': <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange. 	SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
22.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator setting indicating that the subscription version created during this test case has been set to 'cancelled': <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChange. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange. 	SP	The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
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 'pending'.
24.	SP – Optional	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 'pending'.
25.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 240-3	SUT Priority:	SOA LTI	
			SOA	C
			non-EDR LSMS	N/A
			EDR 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 TRUE for the New Service Provider and to FALSE for the Old Service Provider. The Final Create Window Expiration notification is sent to the New Service Provider. The subscription version stays in ‘pending’ status for a tunable amount. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 179
NANC FRS Version Number:	3.1	Relevant Requirement(s):	Req 1, Req 4, Req 6, Req 7
NANC IIS Version Number:	3.1	Relevant Flow(s):	B5.1.1, B.5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the NewSP and FALSE for the Old SP. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC SMS for a single TN. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS for the TN they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization • subscriptionLNPTtype 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request 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	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE

		to itself for the TN, to create the respective subscription version on the NPAC SMS.		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 to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP –	Old SP Personnel perform a local	SP	The subscription version exists with a status of 'pending'.

	Optional	query for the subscription version created during this test case.		
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-Concurrence. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Concurrence 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the Old SP.	NPAC	NPAC SMS does not generate a subscriptionVersionNewSP-FinalCreateWindowExpiration notification to the Old SP.
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 setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNew SP-FinalCreateWindowExpiration. • If the setting is FALSE, NPAC SMS issues a 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.

		subscriptionVersionNewSP-FinalCreateWindowExpiration.		
17.	SP	The New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
19.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
20.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 240-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider creates a subscription version. New Service Provider does not send create. Timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New Service Provider and to TRUE for the Old Service Provider. The Final Create Window Expiration notification is sent to the Old Service Provider. The subscription version stays in ‘pending’ status for a tunable amount of time. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 4, Req 6, Req 7
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Set the Pending Subscription Retention parameter to a small value. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the NewSP and TRUE for the Old SP. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the TN they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionOldSP-Authorization subscriptionLNPTtype 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request 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	NPAC	NPAC SMS receives the M-CREATE Request subscriptionversionNPAC for the TN and issues an M-CREATE

		to itself for the TN, to create the respective subscription version on the NPAC SMS.		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 to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP –	Old SP Personnel perform a local	SP	The subscription version exists with a status of 'pending'.

	Optional	query for the subscription version created during this test case.		
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-Concurrence. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Concurrence. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-FinalCreateWindowExpiration. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-FinalCreateWindowExpiration 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
16.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation

		REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.		from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for the New SP.	NPAC	NPAC SMS does not generate a subscriptionVersionNewSP-FinalCreateWindowExpiration notification to the Old SP.
18.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
19.	SP – Optiona l	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 – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 240-5	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	Old SP creates a subscription version with authorization flag set to FALSE, New SP does not send create, timers (T1 & T2) expire. The NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New SPs. The Final Create Window Expiration notification is sent to both SPs and it contains the cause code. The subscription version stays in 'conflict' status. Verify that the SV status is changed to 'cancelled' after tunable amount of time – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 2, Req 7
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B5.1.6.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC for a single TN with Authroization set to FALSE and a cause code. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC for the TN they wish to create. The Old SP includes the following valid attributes: <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization – FALSE 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<ul style="list-style-type: none"> • subscription-StatusChangeCauseCode • subscriptionLNPTType 		
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 to the Old SP SOA indicating the subscription version was successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
5.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
7.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP 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 'conflict'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-Concurrence. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewSP-Concurrence. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
13.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
14.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Failure Window tunable expires.
15.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the Old SP. NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew SP-FinalCreateWindowExpiration. • If the setting is FALSE the NPAC SMS issues an M- 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.

		EVENT-REPORT subscriptionVersionNewSP- FinalCreateWindowExpiration.		
16.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the Old SP SOA.
17.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS determines that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the New SP. NPAC SMS issues and M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNewSP-FinalCreateWindowExpiration. • If the setting is FALSE, NPAC SMS issues a subscriptionVersionNewSP-FinalCreateWindowExpiration. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
18.	SP	The New SP SOA issues an M-EVENT-REPORT Confirmation 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 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 'conflict'.
20.	SP – Optiona l	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
21.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator setting indicating that the subscription version created during this test case has been set to 'cancelled':	SP	The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.

		<ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChanged indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged indicating the status is 'cancelled'. 		
24.	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator setting indicating that the subscription version created during this test case has been set to 'cancelled':</p> <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatusAttributeValueChanged indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChanged indicating the status is 'cancelled'. 	SP	The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting.
25.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription versions exist with a status of 'cancelled'.
26.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
27.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 240-6	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to TRUE. Service Provider recovers Final Create Window Expiration notifications during recovery. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, RR6-29
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test: <ol style="list-style-type: none"> 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. c. Allow the Pending Subscription Retention parameter to expire.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the prerequisites above.	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting and the No New SP Concurrence Notification Indicator setting.
4.	SP	<ol style="list-style-type: none"> 1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE. 	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	The SOA issues an M-ACTION Request InpDownload (network	NPAC	The NPAC SMS receives the M-ACTION and issues an M-ACTION Response InpDownload back to the SOA with the

		data) to the NPAC SMS and specifies the time range for the resync request.		Network Data updates.
6.	SP	The SOA Service Provider issues an M-ACTION Request InpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA Service Provider and issues an M-ACTION Response InpNotificationRecovery with the following notification data updates to the SOA Service Provider based on their Customer TN Range Notification indicator: If the setting is TRUE, the NPAC SMS issues: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersionRangeNewSP-FinalCreateWindowExpiration for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersionRange-StatusAttributeValueChange setting the status to 'cancelled' for the single TN subscription version create If the setting is FALSE, the NPAC SMS issues: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionObjectCreation for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersion-StatusAttributeValueChange setting the status to 'cancelled' for the single TN subscription version create
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	The 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.
8.	SP	The SOA receives the M-ACTION Response from the NPAC SMS and any activity that the NPAC SMS had queued up during resynchronization.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optiona l	Service Provider Personnel, using the SOA, 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 'cancelled' and the appropriate notifications were received.
11.	SP – Condi tional	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 'cancelled'.

A. TEST IDENTITY

Test Case Number:	NANC 240-7	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Service Provider has the No New SP Concurrence Notification Indicator set to FALSE. Service Provider does not recover Final Create Window Expiration notifications during recovery. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 240
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 4, RR6-29
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.7.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Set the Pending Subscription Retention parameter to a small value. 2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP. 4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test: <ol style="list-style-type: none"> 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. c. Allow the Pending Subscription Retention parameter to expire.
Prerequisite SP Setup:	

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	SP Personnel take their SOA off-line.	SP	SP SOA is not available to receive messages from the NPAC SMS.
2.	NPAC	NPAC SMS begins queuing messages destined for the SP SOA including all the messages in the prerequisites above.	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting and No New SP Concurrence Notification Indicator setting.
4.	SP	<ol style="list-style-type: none"> 1. After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. 2. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE. 	NPAC	The NPAC SMS receives the association bind request from the SOA. Once the association is established, the NPAC SMS queues all current updates.
5.	SP	The SOA issues an M-ACTION Request InpDownload (network	NPAC	The NPAC SMS receives the M-ACTION and issues an M-ACTION Response InpDownload back to the SOA with the

		data) to the NPAC SMS and specifies the time range for the resync request.		Network Data updates.
6.	SP	The SOA Service Provider issues an M-ACTION Request InpNotificationRecovery (notification data) to the NPAC SMS and specifies the start time for the resync request.	NPAC	The NPAC SMS receives the M-ACTION Request from the SOA Service Provider and issues an M-ACTION Response InpNotificationRecovery with the following notification data updates to the SOA Service Provider based on their Customer TN Range Notification indicator: If the setting is TRUE, the NPAC SMS issues: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersionRange-StatusAttributeValueChange setting the status to 'cancelled' for the single TN subscription version create If the setting is FALSE, the NPAC SMS issues: <ul style="list-style-type: none"> • One M-EVENT-REPORT subscriptionVersionObjectCreation for the single TN subscription version create • One M-EVENT-REPORT subscriptionVersion-StatusAttributeValueChange setting the status to 'cancelled' for the single TN subscription version create
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	The 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..
8.	SP	The SOA receives the M-ACTION Response from the NPAC SMS and any activity that the NPAC SMS had queued up during resynchronization.		
9.	NPAC	NPAC Personnel verify the data was sent in the action response.	NPAC	The appropriate data was sent.
10.	SP – Optional	Service Provider Personnel, using the SOA, 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 'cancelled' and appropriate notifications were received.
11.	SP – Conditional	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is 'cancelled'.

3. NANC 294 – Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due Date Problems				
Test Case #	Test Case Description	Req.	IIS Flow	Comments/Issues
NANC 294-1	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	1	B.5.1.4	
NANC 294-2	SOA – Old Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the New Service Provider specified, which is a date and time for yesterday. – Success	1	B.5.1.4	
NANC 294-3	SOA – New Service Provider Personnel submit a subscription version Create after 7:00PM EST (the next day GMT but same day local time) using the same due date (in GMT) as used in the initial creation by the Old Service Provider..– Success	1	B.5.1.3	
NANC 294-4	SOA – New Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the Old Service Provider specified, which is a date and time for yesterday. – Success	1	B.5.1.3	
NANC 294-5	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is the current date in local time but the next day in GMT. – Error	1, R5-18.3	B.5.1.3	

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

A. TEST IDENTITY

Test Case Number:	NANC 294-1	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR 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):	Req 1
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 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’. Verify that the current time is after 7:00PM EST today (/next day GMT) in the Old Service Provider’s time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (/next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 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. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<ul style="list-style-type: none"> • subscriptionOldSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization subscriptionLNPTType		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending'.
10.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

		version created during this test case.		
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A. TEST IDENTITY

Test Case Number:	NANC 294-2	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the New Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 294
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.4

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 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’. Verify that the current time is “subscriptionVersionNewSP-DueDate plus 1” (both local and GMT time) in the Old Service Provider’s time zone.
Prerequisite SP Setup:	Verify that the time is “subscriptionVersionNewSP-DueDate plus 1” (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 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). The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP- 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>DueDate (seconds set to zero)</p> <ul style="list-style-type: none"> • subscriptionOldSP-Authorization • subscriptionLNPTType 		
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 to the Old SP SOA.	SP	Old SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	<p>NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation 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	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending'.
10.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 294-3	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Create after 7:00PM EST (the next day GMT but same day local time) using the same due date (in GMT) as used in the initial creation by the Old Service Provider. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 294
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the Old Service Provider has created the subscription version with a due date equal to today (in the Service Provider’s local time zone) and it has a status of ‘pending’. Verify that the current time is after 7:00PM EST today (/next day GMT) in the Old Service Provider’s time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (/next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 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. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionNewSP-DueDate (seconds set to 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>zero)</p> <ul style="list-style-type: none"> • subscriptionLNPTType • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – if supported by the Service Provider SOA • subscriptionWSMSC-SSN – if supported by the Service Provider SOA <p>The following attributes are optional:</p> <ul style="list-style-type: none"> • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId 		
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 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-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<p>NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange.</p> <ul style="list-style-type: none"> If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation 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	New SP Personnel perform a local query for the subscription version created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending'.
10.	SP – Condi tional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 294-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – New Service Provider Personnel submit a subscription version Concurrence after 23:59PM (GMT and local time) using the same due date (in GMT) as the Old Service Provider specified, which is a date and time for yesterday. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 294
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.3

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 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’. Verify that the current time is “subscriptionVersionOldSP-DueDate plus 1” (both local and GMT time) in the New Service Provider’s time zone.
Prerequisite SP Setup:	Verify that the current time is “subscriptionVersionOldSP-DueDate plus 1” (both local and GMT time) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> 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. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS specifying the following valid attributes: <ul style="list-style-type: none"> subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		<ul style="list-style-type: none"> • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionLNPTType • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC – if supported by the Service Provider SOA • subscriptionWSMSC-SSN – if supported by the Service Provider SOA <p>The following attributes are optional:</p> <ul style="list-style-type: none"> • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId 		
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 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-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
5	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the Old SP SOA.
6	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<p>Notification Indicator setting.</p> <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. 		
7.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	NPAC Personnel perform a query for subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optional	New SP Personnel perform a local query for the subscription version created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending'.
10.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

A. TEST IDENTITY

Test Case Number:	NANC 294-5	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after 7:00PM EST where the due date is the current date in local time but the next day in GMT. – Error			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 294
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.1 or B.5.1.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that a ‘pending-like’ subscription version for the TN to be used in this test case does not exist on the NPAC SMS. Verify that the current time is after 7:00PM EST today (/next day GMT) in the New/Old Service Provider’s time zone.
Prerequisite SP Setup:	Verify that the current time is after 7:00PM EST today (/next day GMT) in the local time zone.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	<ol style="list-style-type: none"> When the current date and time is today, local time, buttomorrow, 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). The SOA sends an M-ACTION subscriptionVersionNew/OldSP -Create to the NPAC SMS 	NPAC	<ol style="list-style-type: none"> NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements. NPAC SMS determines that the due date is for yesterday (GMT). This violates system requirement so it fails the request.
2.	NPAC	NPAC SMS issues an M-ACTION Response to the New SP SOA indicating that the request failed.	SP	New SP SOA receives the M-ACTION Response 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 1	SP Personnel perform a local query for the subscription version that they attempted to create during this test case.	SP	On the SOA, the subscription version does not exist.

5	SP – Condi tional	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.
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4. NANC 328 – Tunable for Long and Short Business Days				
Test Case #	Test Case Description	Req.	IIS Flow	Comments/Issues
NANC 328-1	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. – Success	1, 2, 3, 4	B.5.1.2 B.5.1.6.2	
NANC 328-2	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the New SP has not received a NewSP-Create Request notification. – Success	1, 2, 3, 4	B.5.1.1 B.5.1.6.5	
NANC 328-3	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. – Success	5, 6, 7, 8	N/A	
NANC 328-4	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received a OldSP-Create Request notification. – Success	5, 6, 7, 8	N/A	

4. NANC 328 – Tunable for Long and Short Business Days

A. TEST IDENTITY

Test Case Number:	NANC 328-1	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday. NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Concurrence Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 328
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 2, Req 3, Req 4
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.2, B.5.1.6.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that the ‘Long Business Days’ tunable parameter is defaulted to ‘Sunday through Saturday’. Verify that the New and Old Service Provider’s ‘Business Days’ tunable parameter is set to ‘LONG’. Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile. Verify that for the New Service Provider in this TC, their ‘Port-In Timer Type’ is set to ‘SHORT’ in their Customer Profile. Verify that for the Old Service Provider in this TC, their ‘Port-Out Timer Type’ is set to ‘SHORT’ in their Customer Profile. Verify that the New and Old Service Provider’s ‘SP Business Type’ is set to ‘LONG’ in their Customer Profile. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the ‘Long Business Days’ tunable parameter such that it does not include today.		The ‘Long Business Days’ tunable parameter is modified such that it does not include today.
2.	SP	1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS. The New SP includes the following valid attributes:</p> <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionPortingToOriginal-SP Switch • subscriptionLNPTType • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC - if supported by the Service Provider SOA • subscriptionWSMSC-SSN - if supported by the Service Provider SOA <p>The following attributes are optional:</p> <ul style="list-style-type: none"> • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId 		
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 to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<p>subscriptionVersionRangeObjectCreation.</p> <p>If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation</p>		
6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
7.	NPAC	<ol style="list-style-type: none"> NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
9.	SP	Old SP SOA DOES NOT respond to the create request.		
9.	NPAC	NPAC SMS waits a tunable amount of time for the Initial Concurrence Window timer to expire.	NPAC	The Initial Concurrence Window timer has not expired.
10.	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.
11.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
12.	SP – Optional	New SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any Old SP data..

13.	SP – Condi tional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.
14.	SP – Optiona l	Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending' but does not contain any Old SP data..
15.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any Old SP data.

A. TEST IDENTITY

Test Case Number:	NANC 328-2	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Long Business Days tunable parameter is defaulted to Sunday through Saturday NPAC Personnel modify the Long Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the New SP has not received a NewSP-Create Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 328
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 2, Req 3, Req 4
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.1, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the ‘Long Business Days’ tunable parameter is defaulted to ‘Sunday through Saturday’. 2. Verify that the New and Old Service Provider’s ‘Business Days’ tunable parameter is set to ‘LONG’. 3. Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile. 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.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the ‘Long Business Days’ tunable parameter such that it does not include today.		The ‘Long Business Days’ tunable parameter is modified such that it does not include today.
2.	SP	<ol style="list-style-type: none"> 1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>subscriptionVersionOldSP-Create to the NPAC SMS. The Old SP includes the following valid attributes:</p> <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if the subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus 		
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 to the Old SP SOA indicating the subscription versions were successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
7.	NPAC	<ol style="list-style-type: none"> 1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M- 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<p>EVENT-REPORT subscriptionVersionRangeObjectCreation.</p> <ul style="list-style-type: none"> If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation <p>2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.</p>		
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
9.	SP	New SP SOA DOES NOT respond to the create request.		
9.	NPAC	NPAC SMS waits a tunable amount of time for the Initial Concurrence Window timer to expire.	NPAC	The Initial Concurrence Window timer has not expired.
10.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an NewSP-CreateRequest notification from the NPAC SMS.
11.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
12.	SP – Optional	New SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending' but does not contain any New SP data..
13.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
14.	SP – Optional	Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data..
15.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	NANC 328-3	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to SHORT. Old SP Personnel submit an SV Create. New SP does not submit his create. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received an OldSP-Create Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 328
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 5, Req 6, Req 7, Req 8
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.1, B.5.1.6.5

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the ‘Short Business Days’ tunable parameter is defaulted to ‘Monday through Friday’. 2. Verify that the New and Old Service Provider’s ‘Business Days’ tunable parameter is set to ‘SHORT’ 3. Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile. 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.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the ‘Short Business Days’ tunable parameter such that it does not include today.		The ‘Short Business Days’ tunable parameter is modified such that it does not include today.
2.	SP	<ol style="list-style-type: none"> 1. Using the SOA, Old SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionOldSP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>subscriptionVersionOldSP-Create to the NPAC SMS. The Old SP includes the following valid attributes:</p> <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionOldSP • subscriptionNewCurrentSP • subscriptionOldSP-DueDate (seconds set to zero) • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCauseCode (if the subscriptionOldSP-Authorization set to false) • subscriptionVersionStatus 		
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 to the Old SP SOA indicating the subscription versions were successfully created.	SP	Old SP SOA receives the M-ACTION subscriptionVersionOldSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionOldSP-AuthorizationTimeStamp and subscriptionModifiedTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
6.	SP	Old SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
7.	NPAC	1. NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting.	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation <p>2. NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles.</p>		
8.	SP	New SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the New SP SOA.
9.	SP	New SP SOA DOES NOT respond to the create request.		
9.	NPAC	NPAC SMS waits a tunable amount of time for the Initial Concurrence Window timer to expire.	NPAC	The Initial Concurrence Window timer has not expired.
10.	SP	New SP Personnel checks its notifications to see if a NewSP-CreateRequest notification was received from the NPAC SMS.	SP	Old SP did not receive an NewSP-CreateRequest notification from the NPAC SMS.
11.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any New SP data.
12.	SP – Optional	New SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending' but does not contain any New SP data..
13.	SP – Conditional	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.
14.	SP – Optional	Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' but does not contain any New SP data..
15.	SP – Conditional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS but does not contain any New SP data.

A. TEST IDENTITY

Test Case Number:	NANC 328-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify that the Short Business Days tunable parameter is defaulted to Monday through Friday. NPAC Personnel set the Short Business Days tunable parameter to a value that does not include today. Both Old SP Port Out and New SP Port In Timers are set to LONG. New SP Personnel submit an SV Create. Old SP does not concur. After a tunable amount of time the Initial Concurrence Window timer has not expired and the Old SP has not received a OldSP-Create Request notification. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 328
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 5, Req 6, Req 7, Req 8
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	B.5.1.2, B.5.1.6.2

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> 1. Verify that the ‘Long Business Days’ tunable parameter is defaulted to ‘Monday through Friday’. 2. Verify that the New and Old Service Provider’s ‘Business Days’ tunable parameter is set to ‘SHORT’. 3. Verify that the New and Old Service Provider’s ‘SOA Supports Timer Type’ and ‘SOA Supports Business Hours’ are set to ‘TRUE’ in their Customer Profile. 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.
Prerequisite SP Setup:	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service Provider Subscription Version.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the ‘Short Business Days’ tunable parameter such that it does not include today.		The ‘Short Business Days’ tunable parameter is modified such that it does not include today.
2.	SP	<ol style="list-style-type: none"> 1. Using the SOA, New SP Personnel submit an Inter-Service Provider subscription version Create request to the NPAC. 2. The SOA sends an M-ACTION 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		<p>subscriptionVersionNewSP-Create to the NPAC SMS. The New SP includes the following valid attributes:</p> <ul style="list-style-type: none"> • subscriptionVersionTN • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP-DueDate (seconds set to zero) • subscriptionPortingToOriginal-SP Switch • subscriptionLNPTType • subscriptionLRN • subscriptionCLASS-DPC • subscriptionCLASS-SSN • subscriptionLIDB-DPC • subscriptionLIDB-SSN • subscriptionCNAM-DPC • subscriptionCNAM-SSN • subscriptionISVM-DPC • subscriptionISVM-SSN • subscriptionWSMSC-DPC - if supported by the Service Provider SOA • subscriptionWSMSC-SSN - if supported by the Service Provider SOA <p>The following attributes are optional:</p> <ul style="list-style-type: none"> • subscriptionEndUserLocationValue • subscriptionEndUserLocationType • subscriptionBillingId 		
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 to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the New SP based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec 	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

		<p>tCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation</p>		
6.	SP	New SP SOA issues an M-EVENT-REPORT Confirmation 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 from the New SP SOA.
7.	NPAC	<ol style="list-style-type: none"> NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. <ul style="list-style-type: none"> If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation NPAC SMS sets the Initial Concurrence Window timer for this Subscription Version based on the New Service Provider Port-In Timer Type and SP Business Type and the Old Service Provider Port-Out Timer Type and SP Business Type settings in their respective Customer Profiles. 	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
8.	SP	Old SP SOA issues M-EVENT-REPORT Confirmation(s) indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation(s) from the Old SP SOA.
9.	SP	Old SP SOA DOES NOT respond to the create request.		
9.	NPAC	NPAC SMS waits a tunable amount of time for the Initial Concurrence Window timer to expire.	NPAC	The Initial Concurrence Window timer has not expired.
10.	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.
11.	NPAC	NPAC Personnel perform a query for the subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending' but does not contain any Old SP data.
12.	SP – Optiona l	New SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription version exists with a status of 'pending' but does not contain any Old SP data..
13.	SP – Condi ti	New SP Personnel perform an	SP	The subscription version exists with a status of 'pending' on the

	onal	NPAC SMS query for the subscription versions created during this test case.		NPAC SMS but does not contain any Old SP data.
14.	SP – Optiona l	Old SP Personnel perform a local query for the subscription versions created during this test case.	SP	On the SOA, the subscription version exists with a status of ‘pending’ but does not contain any Old SP data..
15.	SP – Condi tional	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription version exists with a status of ‘pending’ on the NPAC SMS but does not contain any Old SP data.

5. NANC 329 – Prioritization for SOA Notifications				
Test Case #	Test Case Description	Req.	IIS Flow	Comments/Issues
NANC 329-1	NPAC and SOA – NPAC Personnel verify the ‘SOA Notification Priority’ tunable parameter default values for the Service Provider are set to MEDIUM. Service Provider Personnel requests NPAC Personnel to modify several of his ‘SOA Notification Priority’ tunable parameter values to NONE then perform activities that would normally result in the NPAC SMS generating the notifications that have been given priorities of NONE. Service Provider verifies that he does not receive notifications. – Success	1, 2, 3, 4, 5, 6, 7, R4-8		
NANC 329-2	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. Service Provider Personnel verify that they received the notifications in order of priority. This should cover notifications that have different priorities based on Old and New SP and all three priority classifications. – Success	3.5, 8		
NANC 329-3	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success	5.5, RR6-30		
NANC 329-4	Group Test Case NPAC and SOA – Service Providers have NPAC Personnel modify their notification priorities to ensure that they all have notifications with the three priorities and that the priority one SP gives a particular notification is different that the priority given the same notification by another SP. Each SP performs a series of activities that will generate a good mixture of notifications. The SPs verify that they receive the notifications according to the priorities listed in their SP Profile. – Success			

5. NANC 329 – Prioritization for SOA Notifications

A. TEST IDENTITY

Test Case Number:	NANC 329-1	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC Personnel verify the ‘SOA Notification Priority’ tunable parameter default values for the Service Provider are set to MEDIUM. Service Provider Personnel requests NPAC Personnel to modify several of his ‘SOA Notification Priority’ tunable parameter values to NONE then perform activities that would normally result in the NPAC SMS generating the notifications that have been given priorities of NONE. Service Provider verifies that he does not receive notifications. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 329
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 1, Req 2, Req 3, Req 4, Req5, Req 6, Req 7, R4-8
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM. Set the following ‘SOA Notification Priority’ tunable parameters to NONE for the Service Provider under test: <ul style="list-style-type: none"> Subscription Version New NPA-NXX Notification Subscription Version Object Creation Subscription Version Cancellation Acknowledge Request Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider Subscription Version Status Attribute Value Change Notification – set to OLD
Prerequisite SP Setup:	<ol style="list-style-type: none"> Verify that there exists a ‘pending’ subscription version that can be activated. Verify that there exists a ‘pending’ subscription version to which the Old SP has concurred. Verify that there exists an ‘active’ subscription version that can be disconnected.

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 verify that the ‘SOA Notification Priority’ tunable parameters for the notifications listed in the Prerequisite NPAC Setup are set to NONE for the Service Provider under test..		The ‘SOA Notification Priority’ tunable parameters listed in the Prerequisite NPAC Setup above have been modified to ‘NONE’.
2.	SP	1. Using the SOA, New SP Personnel submit a First Port Inter-Service Provider subscription version Create request to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionNewSP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.

		2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS.		
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 to the New SP SOA indicating the subscription versions were successfully created.	SP	New SP SOA receives the M-ACTION subscriptionVersionNewSP-Create Response from the NPAC SMS indicating the subscription version was successfully created, the status is 'pending' and the subscriptionModifiedTimeStamp and subscriptionCreationTimeStamp were set appropriately.
5.	NPAC	NPAC SMS does not issue an M-EVENT-REPORT objectCreation to the New SP.	SP	New SP SOA does not receive an M-EVENT-REPORT objectCreation from the NPAC SMS.
6.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionNewNPA-NXX 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 and respond to the NPAC SMS with an M-EVENT-REPORT Confirmation
7.	NPAC	NPAC SMS does not issue an M-EVENT-REPORT subscriptionVersionNewNPA-NXX to the New SP SOA.		New SP SOA does not receive an M-EVENT-REPORT subscriptionVersionNewNPA-NXX from the NPAC SMS.
8.	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.	NPAC	NPAC SMS receives the cancellation request, determines that the request is valid and sets the subscription version status to 'cancel-pending'.
9.	NPAC	NPAC SMS does not send an M-EVENT-REPORT subscriptionVersionStatusAttributeV alueChange with the 'cancel-pending' status	SP	New SP SOA does not receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS.
10.	SP	1. Using the SOA, New SP Personnel submit an activate request for the subscription version referenced in step 1 of the Prerequisite SP Setup above. 2. The SOA sends an M-ACTION subscriptionVersionActivate request to the NPAC SMS.	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionActivate from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response.
11.	NPAC	NPAC SMS issues an M-CREATE subscriptionVersion to all LSMSs that are accepting downloads for the NPA-NXX	SP	LSMSs that are accepting downloads for the NPA-NXX receive the M-CREATE subscriptionVersion and respond to the NPAC SMS with an M-CREATE Confirmation.
12.	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 'active' but does not send an M-EVENT-REPORT	SP	New SP SOA does not receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS and still shows the subscription version with a status of 'pending'.

		subscriptionVersionStatusAttributeV alueChange to the New SP SOA		
13.	SP	<ol style="list-style-type: none"> 1. Using the SOA, New SP Personnel submit a disconnect request for the subscription version referenced in step 3 of the Prerequisite SP Setup above. 2. The SOA sends an M-ACTION subscriptionVersionDisconnect request to the NPAC SMS. 	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionDisconnect from the New SP SOA, verifies that the request is valid and responds to the New SP SOA with an M-ACTION response.
14.	NPAC	After internal process is complete NPAC SMS issues an M-DELETE subscriptionVersion to all LSMSs that are accepting downloads for the NPA-NXX	SP	LSMSs that are accepting downloads for the NPA-NXX receive the M-DELETE subscriptionVersion and respond to the NPAC SMS with an M-DELETE Confirmation.
15	NPAC	Once the NPAC SMS receives a successful response from all LSMSs that are accepting downloads for the NPA-NXX it sets the subscription version status to 'old' but does not send an M-EVENT-REPORT subscriptionVersionStatusAttributeV alueChange to the New SP SOA	SP	New SP SOA does not receive an M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange from the NPAC SMS and still shows the subscription version with a status of 'active'.

A. TEST IDENTITY

Test Case Number:	NANC 329-2	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. Service Provider Personnel verify that they received the notifications in order of priority. This should cover notifications that have different priorities based on Old and New SP and all three priority classifications. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 329
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 3.5, Req 8,
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM. 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. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 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: <ul style="list-style-type: none"> Subscription Version Object Creation = HIGH Subscription Version Cancellation Acknowledge Request = MEDIUM Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW Number Pool Block Status Attribute Value Change Notification – HIGH
Prerequisite SP Setup:	<p>Before the NPAC Test Engineer modifies your ‘SOA Notification Priority’ tunable parameters as listed above perform the following activities:</p> <ol style="list-style-type: none"> Create 500 subscription versions and have them ready to be activated. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
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1.	NPAC & SP	<p>NPAC and SP Personnel perform the following activities simultaneously and in the order listed</p> <p>Using the SOA, Service Provider Personnel:</p> <ul style="list-style-type: none"> • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) • Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications) • Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications) <p>Using the NPAC OpGui, NPAC Personnel:</p> <ul style="list-style-type: none"> • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications) • Activate the 2 Number Pool Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) • On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications). 	NPAC	NPAC receives, validates, and processes all requests.
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 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.
4.	SP	SP Personnel verify that all	SP	All notifications were received according to the priorities that

		notifications were received according to the priorities that were set for the respective notifications.		were set for the respective notifications.
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NOTE TO REVIEWERS: I have left the same notifications/priorities in this test case as in NANC 329-2. During our review in Washington I would like for us to discuss other notifications that are important in your operations and adjust this test case accordingly.

A. TEST IDENTITY

Test Case Number:	NANC 329-3	SUT Priority:	SOA LTI	N/A
			SOA	R
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – Service Provider Personnel send a large number of requests to the NPAC that would result in the NPAC SMS generating notifications with multiple priorities for the Service Provider. The Service Provider then aborts their association before receiving the notifications. After sufficient time has passed for the NPAC SMS to generate all the notifications resulting from the requests the Service Provider re-associates to the NPAC and recovers the missed notifications. Service Provider Personnel verify that they recovered the notifications in order of priority and in the correct format. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 329
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	Req 5.5, RR6-30
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM. 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. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 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: <ul style="list-style-type: none"> Subscription Version Object Creation = HIGH Subscription Version Cancellation Acknowledge Request = MEDIUM Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW Number Pool Block Status Attribute Value Change Notification – HIGH
Prerequisite SP Setup:	<p>Before the NPAC Test Engineer modifies your ‘SOA Notification Priority’ tunable parameters as listed above perform the following activities:</p> <ol style="list-style-type: none"> Create 500 subscription versions and have them ready to be activated. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider. Create and Activate 500 subscription versions and have them ready to be disconnected.

D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	<p>NPAC and SP Personnel perform the following activities simultaneously and in the order listed</p> <p>Using the SOA, Service Provider Personnel:</p> <ul style="list-style-type: none"> • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) • Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change– Activates – To the New Service Provider Notifications) • Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications) • Abort your SOA association <p>Using the NPAC OpGui, NPAC Personnel:</p> <ul style="list-style-type: none"> • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications) • Activate the 2 Number Pool Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) • On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications). 	NPAC	NPAC receives, validates, and starts processing all requests.
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.	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.
4.	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.
5.	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.

GROUP TEST CASE

NOTE TO REVIEWERS: I have left the same notifications/priorities in this test case as in NANC 329-2. During our review in Washington we will need to discuss the best way to co-ordinate and communicate what we want to accomplish in this test case as well as other notifications that are important in your operations and should be tested.

A. TEST IDENTITY

Test Case Number:	NANC 329-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	Group Test Case NPAC and SOA – Service Providers have NPAC Personnel modify their notification priorities to ensure that they all have notifications with the three priorities and that the priority one SP gives a particular notification is different that the priority given the same notification by another SP. Each SP performs a series of activities that will generate a good mixture of notifications. The SPs verify that they receive the notifications according to the priorities listed in their SP Profile. – Success			

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 329
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	
NANC IIS Version Number:	3.1.0	Relevant Flow(s):	

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	<ol style="list-style-type: none"> Verify that all ‘SOA Notification Priority’ tunable parameters for the Service Provider under test are defaulted to MEDIUM. 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. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated. 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: <ul style="list-style-type: none"> Subscription Version Object Creation = HIGH Subscription Version Cancellation Acknowledge Request = MEDIUM Subscription Version Status Attribute Value Change Notification – Activates – To the New Service Provider = MEDIUM Subscription Version Status Attribute Value Change Notification – set to OLD = HIGH Subscription Version Status Attribute Value Change Notification – Activates – To the Old Service Provider = MEDIUM Subscription Version – Donor SP – Customer Disconnect Date Notification – LOW Number Pool Block Status Attribute Value Change Notification – HIGH
Prerequisite SP Setup:	Before the NPAC Test Engineer modifies your ‘SOA Notification Priority’ tunable parameters as listed above perform the following activities: <ol style="list-style-type: none"> Create 500 subscription versions and have them ready to be activated.

	<p>2. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider.</p> <p>3. Create and Activate 500 subscription versions and have them ready to be disconnected.</p>
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D. TEST STEPS and EXPECTED RESULTS

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	<p>NPAC and SP Personnel perform the following activities simultaneously and in the order listed</p> <p>Using the SOA, Service Provider Personnel:</p> <ul style="list-style-type: none"> • Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) • Activate the 500 subscription versions listed in Item 1 of the Prerequisite SP Setup (will generate Subscription Version Status Attribute Value Change – Activates – To the New Service Provider Notifications) • Disconnect the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup Setup (will generate Subscription Version Status Attribute Value Change – set to OLD Notifications) <p>Using the NPAC OpGui, NPAC Personnel:</p> <ul style="list-style-type: none"> • On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version – Donor SP – Customer Disconnect Date Notifications) • Activate the 2 Number Pool Blocks listed in Item 4 of the Prerequisite NPAC Setup (will generate Number Pool Block Status Attribute Value Change Notifications) • On behalf of the Old SP, cancel the 500 subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge Notifications). 	NPAC	NPAC receives, validates, and starts processing all requests.
2.	NPAC	NPAC SMS generates the appropriate notifications and sends	SP	All SP SOAs receive the notifications sent to them by the NPAC SMS.

		them to the SOAs based on their SOA Notifications Priority Indicators.		
3.	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.
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.