NPAC SMS Release 3.1.0 Turn Up Test Plan

DRAFT

Version 0.1

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1. NAN	NC 179 – TN Range notification			
Test	Test Case Description	Req.	IIS Flow	Comments/Issues
Case # 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 subscriptionVersionNewSPFinalCreateWind
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	owExpiration SubscriptionVersionRangeOldSP- Concurrence Request subscriptionVersionOldSPFinalConcurrence WindowExpiration
	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 201-5 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 subscriptionVersionRangeStatusAttributeVal ueChange
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 prerequisite 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 subscriptionVersionRangeStatusAttributeVal ueChange

NANC 179-5	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 SOA – Service Provider Personnel activate a range of 500 SVs. Their Customer TN Range	4, 7, 10	B.5.1.6	subscriptionVersionRangeObjectCreation
	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			subscriptionVersionRangeStatusAttributeVal ueChange
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 subscriptionVersionRangeStatusAttributeVal ueChange
	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	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 SOA – Service Provider Personnel activate a single			Subscription Versions: 8.1.2.3.1.4 8.1.2.3.1.5 8.1.2.3.1.6 SubscriptionVersionRangeObjectCreation
	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			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	

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	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	SOA – Old Service Provider Personnel modify a	4, 5, 6,	B.5.2.3	
179-10	range of 'pending' Inter-Service Provider	10	or	
	subscription versions to change the authorization		B.5.2.4	
	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			
NANC	SOA – Old Service Provider Personnel modify a	4, 5, 6,	B.5.2.3	
179-11	range of 'conflict' subscription versions to change	10	or	
	the authorization flag from FALSE to TRUE. Their		B.5.2.4	
	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			
NANC	SOA – Old Service Provider Personnel modify a	4, 5, 6,	B.5.2.3	
179-12	range of 'conflict' subscription versions to change	10	or	
1// 12	the authorization flag from FALSE to TRUE. Their	10	B.5.2.4	
	Customer TN Range Notification Indicator is set to		D.J.Z.4	
	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			
NANC	SOA – Current Service Provider Personnel	4, 5, 6,	B5.4.1	
179-13	perform an immediate disconnect for a range of	10	B5.4.1.1	
	'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			

NANC 179-14	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 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	SOA – Service Provider has notifications queued.		
179-18	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		The following test cases are available from
	of the max limit queued and attempts to recover		the test cases of previous releases but are not
	them. – Success		currently marked for regression testing:
			ILL 79-3
			ILL 79-5
			ILL 79-6
			NANC 48-5
NANC	Group Test Case		
179-19	SOA – Service Providers set their Customer TN		
1,,,,,,	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		
	accordingry. – 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	С	
			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:	

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using the SOA, Old SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC for a range of at least two consecutive TNs. 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: subscriptionVersionTN- Range subscriptionNewCurrentSP subscriptionOldSP- DueDate (seconds set to zero) subscriptionOldSP- Authorization subscriptionLNPType 	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 subscriptionVersionRangeObjectCre ation 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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object t Creation 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 object Creation for each TN in the range to the New SP's SOA containing the following attributes: subscription Version TN subscription New Current SP subscription Old SP-DueDate (seconds set to zero) subscription Old SP-Authorization	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS. If the New SP's Customer TN Range Notification Indicator is set to TRUE, verify that the SOA received a subscription VersionRangeObjectCreation 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: subscriptionVersionTN subscriptionNewCurrentSP subscriptionOldSP subscriptionOldSP-DueDate (seconds set to zero) subscriptionLNPType

		subscriptionLNPType		
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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
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	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. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription Version Range New SP-Create Request 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 subscription Version NewSP- Create Request 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		
16.	SP	and the end TN. 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. If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeNew SP-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: subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionVersionStatus subscriptionVersionStatus	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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

Test Case Number:	NANC 179-2	SUT Priority:	SOA LTI	N/A		
			SOA	С		
			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 Ex	xpires. – 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:	

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, New SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC for a range of at least two consecutive TNs. 2. 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: • subscriptionVersionTN- Range • subscriptionNewCurrentSP • subscriptionOldSP • subscriptionNewSP- DueDate (seconds set to zero) • subscriptionPortingToOrigi nal-SP Switch • subscriptionLNPType • 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.

6.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. 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. • 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
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.
4.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjectCre ation 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.
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.
2.	NPAC	subscriptionBillingId 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.
		subscriptionCLASS-SSN subscriptionLIDB-DPC subscriptionCNAM-DPC subscriptionCNAM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionISVM-SSN subscriptionWSMSC-DPC if supported by the Service Provider SOA subscriptionWSMSC-SSN if supported by the Service Provider SOA subscriptionWSMSC-SSN if supported by the Service Provider SOA The following attributes are optional: subscriptionEndUserLocationV alue subscriptionEndUserLocationT ype		

		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. 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: subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionVersionStatus subscriptionNewSP-DueDate		for each TN in the range with the following subscription version attributes: • 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 – Optiona	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 – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the Old SP for the range of TN's the New SP created.	SP	Old SP SOA DOES NOT respond to the create request and the Initial Concurrence Window expires.
12.	NPAC	Once the Initial Concurrence Window has expired, the NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues one M- EVENT-REPORT subscription Version Range OldS P-Concurrence Request If the setting is FALSE, the NPAC SMS issues an M-EVENT- REPORT subscription Version Old SP- Concurrence Request for each TN in the range.	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. If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeOldS P-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: subscriptionTN subscriptionOldSP subscriptionNewCurrentSP subscriptionNewCurrentSP subscriptionNewSP-CreationTimeStamp subscriptionNewSP-DueDate	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. • If the setting is TRUE, the SOA receives one M-EVENT-REPORT subscription VersionRangeOldSP-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: • subscriptionTN • subscriptionNewCurrentSP • subscriptionNewCurrentSP • subscriptionNewSP-CreationTimeStamp • 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 1	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 – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

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 versions. Their Custome create process the range the TNs used in the rang contiguous. The activate notifications due to the usuccess	or TN Range Notification is submitted as two small es are contiguous and the request is submitted as of	Indicator is set to TRUE ller ranges, each with uni e SVIDs assigned by the one range. The activate ro	E. In the pre-requisite que DPC/SSN data but NPAC SMS are equest results in two

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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	2. 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.
	3. Verify that 'active' subscription versions do not currently exist for the range of 1000 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.
Prerequisite SP	1. Create one range of 500 Inter-Service Provider subscription versions using consecutive non-
Setup:	ported TNs, with one set one set of DPC/SSN data.
•	2. Immediately create another range of 500 Inter-Service Provider subscription versions using the next 500 consecutive non-ported TNs with another unique set of DPC/SSN data. For example, create 1000-1499 with one set of DPC/SSN data and then 1500-1999 with another set of DPC/SSN data.
	3. Verify that the SVIDs are consecutive for the full 1000 TNs.

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.	NPAC	2. The SOA issues an M-ACTION subscription Version Activate Request to the NPAC SMS and specifies the range of TNs. NPAC SMS locates the respective subscription versions and issues an M-SET Request subscription Version NPAC to itself to set the subscription version Status to 'sending' and set the subscription Version Activation Time Stamp and subscription Modified Time Stamp 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 subscription Version 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	 All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Requests and verify that the requests are valid. 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. 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. If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionRangeStatu sAttributeValueChange 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	 The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. 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).

7.	SP	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange for each TN in the range of 1000 indicating the status is 'active'. 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 ibuteValueChange 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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 – Optiona 1	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription version exists with an empty Failed SP List. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

Test Case Number:	NANC 179-4	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	Notification Indicator is submitted as two smalle feature data. The creates SVIDs for the TNs in the The activate request results.	Personnel activate a range set to TRUE. In the pre- er ranges. The TNs used are submitted without as the ranges are contiguous. The range are contiguous and the range are notification be a have the same feature day	requisite SVcreate proce in the ranges are contiguent ny other activity in betwee The activate request is su ecause the TNs and SVII	ss the range is ous and have the same een to ensure that the abmitted as one range.

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	1.	Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1.	Create one range of 100 Inter-Service Provider subscription versions using consecutive non-
Setup:		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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 200 Inter-Service Provider subscription versions. Specify the range of 200 consecutive TNs described in the prerequisites above. The SOA issues an M-ACTION	NPAC	NPAC SMS receives the M-ACTION Request from the New SP SOA.

		T 4 * 2* ** * * * * * *		
		subscriptionVersionActivate		
		Request to the NPAC SMS and		
2.	NDAC	specifies the range of TNs.	NIDAG	NIDAC CMC
² .	NPAC	NPAC SMS locates the respective	NPAC	NPAC SMS receives the M-SET subscription Version NPAC
		subscription versions, and issues an		from itself and issues an M-SET Response to itself.
		M-SET Request		
		subscriptionVersionNPAC to itself		
		to set the subscription version Status		
		to 'sending' and set 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	SP	New SP SOA receives the M-ACTION Response from the
].	INFAC) Sr	NPAC SMS.
4	NTD 4 C	Response to the New SP SOA.	NID 4 ~	
4.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscription version Status to		
		'sending' and set the		
		subscriptionBroadcastTimeStamp to		
		the current date and time for all TNs		
5.	NPAC	in the range. NPAC SMS issues an M-ACTION	SP	1 All I CMCs in the region according described to the
J.	INPAC) Sr	1. All LSMSs in the region accepting downloads for this
		Requests subscriptionVersion to all LSMSs in the region accepting		NPA-NXX receive the M-ACTION Request and verify that the request is valid.
		downloads for this NPA-NXX.		the request is valid. 2. All LSMSs in the region issue an M-ACTION Response
		downloads for this INIA-INAA.		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	NPAC SMS issues an M-EVENT-	SP	The Old SP SOA receives the M-EVENT-REPORT from the
		REPORT to the Old SP SOA based		NPAC SMS according to their Customer TN Range Notification
		on their Customer TN Range		setting.
		Notification setting.		If the setting is TRUE the Old SP SOA receives one M-
		• If the setting is TRUE, the		EVENT-REPORT
		NPAC SMS issues one M-		subscriptionVersionRangeStatusAttributeValueChange
		EVENT-REPORT		from the NPAC SMS.
		subscriptionVersionRangeStatu		If the setting is FALSE the Old SP SOA receives an M-
		sAttributeValueChange for the		EVENT-REPORT
		range of 200 TNs indicating		subscriptionVersionAttributeValueChange for each TN in
		their subscription version status		the range (200).
		is now 'active'.		
		• If the setting is FALSE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionStatusAttrib		
		uteValueChange for each TN in		
		the range of 200 indicating the		
		status is 'active'.		
7.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation to the		from the Old SP SOA.
	1	NPAC SMS.	L	
8.	NPAC	NPAC SMS issues one M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT
		REPORT		subscriptionVersionRangeStatusAttributeValueChange from the
		subscriptionVersionRangeStatusAttr		NPAC SMS.
		<u> </u>	•——	-

		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 – Optiona	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription version exists with an empty Failed SP List. On the LSMS, the subscription version exists with a status of 'active'.
12.	SP – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.

Test Case Number:	NANC 179-5	SUT Priority:	SOA LTI	N/A
			SOA	С
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	Notification Indicator i submitted as two small feature data but other c that the SVIDs for the	er Personnel activate a ran s set to TRUE. In the prer er ranges. The TNs used i reate activities are submit TNs in the ranges are not e request results in one not	requisite SV create proce on the ranges are contigued ted between the range cr contiguous. The activate	ss the range is ous and have the same eate requests to ensure request is submitted as

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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	2. 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.
	3. Verify that 'active' subscription versions do not currently exist for the range of 500 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.
Prerequisite SP	1. Create one range of 250 Inter-Service Provider subscription versions using consecutive non-
Setup:	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 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.
	4. 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.
	5. Verify that the SVIDs are NOT consecutive for the full 500 TNs.

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

2.	NPAC	the range of 500 consecutive TNs described in the prerequisites above. The SOA issues an M-ACTION subscriptionVersionActivate Request to the NPAC SMS and specifies the range of TNs. NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'sending' and set the subscriptionVersionActivationTime	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request. NPAC SMS issues an M-ACTION	SP	New SP SOA receives the M-ACTION Response from the
J.	NIAC	Response to the New SP SOA.	51	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 subscription Version 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	 All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Requests and verify that the requests are valid. 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. 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. If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscription Version Range Statu sAttribute Value Change 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 subscription Version Status Attrib ute Value Change for each TN in	SP	 The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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 subscriptionVersionRangeStatusAttributeValueChange from th 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 – Optiona 1	New SP Personnel perform a local query for the subscription versions activated during this test case.	SP	 On the SOA, the subscription version exists with an empty Failed SP List. On the LSMS, the subscription version exists with a status of 'active'. 	
12.	SP – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions activated during this test case.	SP	The subscription versions exist with a status of 'active' on the NPAC SMS.	

	Test Case Number:	NANC 179-6	SUT Priority:	SOA LTI	N/A			
				SOA	С			
				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						
Į		failed to create. NPAC re	esponds to the SP with m	ultiple notifications Su	iccess			

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	1.	Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1.	Create one range of 100 Inter-Service Provider subscription versions using consecutive non-
Setup:		ported 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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel submit a request to the NPAC to activate a range of 100 Inter-Service Provider subscription versions. Specify the range of 100 consecutive TNs described in the prerequisites above. 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.

3. 4.	NPAC NPAC	M-SET Request subscription VersionNPAC to itself to set the subscription version Status to 'sending' and the subscriptionVersionActivationTime Stamp and subscriptionModifiedTimeStamp to the current date and time for each TN in the request. NPAC SMS issues an M-ACTION Response to the New SP SOA. 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	SP NPAC	New SP SOA receives the M-ACTION Response from the NPAC SMS. NPAC SMS receives the M-SET Request and issues an M-SET Response to itself.
5.	NPAC	in the range. NPAC SMS issues an M-ACTION Requests subscriptionVersion to all LSMSs in the region accepting	SP	All LSMSs in the region accepting downloads for this NPA-NXX receive the M-ACTION Request and verify that the request are valid.
		downloads for this NPA-NXX.		 All LSMSs in the region EXCEPT ONE, issue an M-ACTION Response subscription Version back to the NPAC. One LSMS in the region issues the following responses: M-ACTION Response indicating success for the first 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 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). 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. If the setting is TRUE, the NPAC SMS issues the following messages: An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange for the first range of 24 TNs (1000-1024) indicating their subscription version status is now 'active'. 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.

		now 'partial fail' and specifying the LSMS that failed the TN. 3. An M-EVENT-REPORT subscription Version Range Statu s Attribute Value Change for the next range of 45 TNs (1026-1070) indicating their subscription version status is now 'active'. 4. An M-EVENT-REPORT subscription Version Range Statu s Attribute Value Change 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 subscription Version Range Statu s Attribute Value Change for the next range of 28 TNs (1072-1099) indicating their subscription version status is now 'active'. • If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Status Attrib ute Value Change 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		
7.	SP	FailedSP-List. 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 the following notifications to the New SP SOA: 1. An M-EVENT-REPORT subscription VersionRangeStatu sAttributeValueChange for the range of 28 TNs (1000-1024) indicating their subscription version status is now 'active'. 2. An M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionRangeStatusAttributeValueChange notifications from the NPAC SMS.

Test Case Number:	NANC 179-7	SUT Priority:	SOA LTI	N/A
			SOA	С
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Prov versions after both Servi Notification Indicator is two smaller ranges. The The range create request requests to ensure that th submitted as one range. SVIDs are both contiguous	ce Providers have initiall set to TRUE. In the pred TNs used in the ranges as are submitted without are SVIDs for the TNs in the cancel request result	ly concurred. Their Custo equisite create process the are contiguous and have to any other activity between the ranges are contiguous is in one notification because	omer TN Range the range is submitted as the same feature data. In the range create is The cancel request is the the TNs and

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the Old SP Customer TN Range Notification Indicators is set to TRUE.
Setup:	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	1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

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.	NPAC	2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs. NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'cancel-pending' and sets the subscriptionVersionModifiedTimeSt amp to the current date and time for each TN in the request.	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
3.	NPAC	NPAC SMS issues an M-ACTION Response 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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 subscriptionVersionRangeStatusAttributeValueChange 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: If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Statu sAttribute Value Change 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 subscription Version Status Attrib ute Value Change 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- subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS according to their Customer TN Range Notification setting: If the setting is TRUE, the Old SP SOA receives one M- EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS. If the setting is FALSE, the Old SP SOA receives anM- EVENT-REPORT subscriptionVersionStatusAttributeValueChange 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 – Optiona 1	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'.

10	- CP	cancelled during this test case.	an.	
10.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancel-pending' on the NPAC SMS.
11.	SP	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 subscription VersionNPAC to itself to set the subscription Version Modified TimeSt 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	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 subscription VersionNPAC 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 subscriptionVersionRangeStatusAttr ibuteValueChange 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: If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionStatusAttrib uteValueChange 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- subscription Version Range Status Attribute Value Change from the NPAC SMS according to their Customer TN Range Notification setting: If the setting is TRUE, the Old SP SOA receives one M- EVENT-REPORT subscription Version Range Status Attribute Value Change from the NPAC SMS. If the setting is FALSE, the Old SP SOA receives anM- EVENT-REPORT subscription Version Status Attribute Value Change 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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

T	est Case Number:	NANC 179-8	SUT Priority:	SOA LTI	N/A
				SOA	C
				non-EDR LSMS	N/A
				EDR LSMS	N/A
O	Objective:	SOA – New Service Prov subscription versions for Customer TN Range Not range is submitted as two the same feature data but to ensure that the SVIDs submitted as one range. T Success	which the Old Service F ification Indicator is set o smaller ranges. The TN other create activities ar for the TNs in the range	Provider has not yet concern to TRUE. In the prerequents used in the ranges are resubmitted between the sare not contiguous. The	curred to. Their isite create process the contiguous and have range create requests e cancel request is

B. REFERENCES

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

C. PREREQUISITE

TREREQUISITE	T
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 2500 Inter-Service Provider subscription versions using consecutive
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, New SP Personnel submit a request to the NPAC to 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.

2.	NPAC	the Old SP has not yet concurred. Specify the range of 5000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionCancel Request to the NPAC SMS and specifies the range of TNs. NPAC SMS locates the respective subscription versions, and issues an M-SET Request subscriptionVersionNPAC to itself to set the subscription version Status to 'cancelled' and the subscriptionVersionModifiedTimeSt amp to the current date and time for	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
		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 M-EVENT-REPORTs to the Old SP SOA based on their Customer TN Range Notification setting. If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORTs subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionStatusAttrib uteValueChange for each TN in the range of 5000 indicating the status is 'active'.	SP	 The Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. If the setting is TRUE the Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange 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 subscriptionVersionStatusAttributeValueChange 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	1. NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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'. 2. NPAC SMSissues a second M-EVENT-REPORT subscriptionVersionRangeStatu	SP	New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange 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 – Optiona 1	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 – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription versions cancelled during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

Test Case Number:	NANC 179-9	SUT Priority:	SOA LTI	N/A		
			SOA	C		
			non-EDR LSMS	N/A		
			EDR LSMS	N/A		
Objective:		range of 'pending', Inter				
	subscription versions to change the authorization flag from TRU					
	TN Range Notification Indicator is set to TRUE. In the prerequisite create process the					
	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					
			s for the TNs in the rang			
	modify request is submitted as one range. The modify request results in one notifi					
			ΓNs in the range have the			
	Success	oom toning would und un	in the runge may e the	Summer Lawrence and the summer		

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	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 25 Inter-Service Provider subscription versions using consecutive non-
Setup:	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 #	NIDAG	TD 4.04	NIDAG	D (1D)
Row #	NPAC	Test Step	NPAC	Expected Result
	or SP		or SP	
1	CD	1	NIDAC	NDAC CMC
1.	SP	1. Using the SOA, Old SP	NPAC	NPAC SMS receives the M-ACTION Request from the Old SP
		Personnel submit a request to		SOA.
		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.		

U.	NFAC	NPAC SMS issues an M-EVEN1- REPORT to the New SP SOA based on their Customer TN Range Notification setting. • If the setting is TRUE, the NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttri buteValueChange for the range	SF	NPAC SMS according to their Customer TN Range Notification setting. 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
6.	NPAC	REPORT Confirmation to the NPAC SMS for the range of 50 TNs. NPAC SMS issues an M-EVENT-	SP	The New SP SOA receives the M-EVENT-REPORT from the
3. 4.	NPAC NPAC NPAC	auseCode (set to a valid value) 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 SMS issues an M-ACTION Response to the Old SP SOA. NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange to the Old SP SOA for the range of 50 TNs with the following attributes and a list of SVIDs: subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeCause Code subscriptionVersionStatus	NPAC SP SP	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself. Old SP SOA receives the M-ACTION Response from the NPAC SMS. Old SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange from the NPAC SMS. NPAC SMS receives the M-EVENT-REPORT Confirmation.
		2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes: • subscriptionTNRange • subscriptionOldSP-DueDate (seconds set to zeros) • subscriptionOldSP-Authorization (set to FALSE) • subscriptionStatusChangeC auseCode (set to a valid		

		of 50 including a list of SVIDs and the subscription version attributes bulleted below. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Attribute Va lueChange for each TN in the range and includes the following subscription version attributes: subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeCauseCode 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 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

Test Case Number:	NANC 179-10	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	subscription versions to TN Range Notification submitted as two smalle feature data but other cr that the SVIDs for the T	vider Personnel modify a change the authorization Indicator is set to TRUE. In the True are activities are submit in the ranges are not request results in one not	In flag from TRUE to FA. In the prerequisite creater the ranges are contiguated between the range contiguous. The modify	LSE. Their Customer atte process the range is alous and have the same create requests to ensure a request is submitted as

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC	Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	 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. Verify that the New SP has concurred to the subscription versions to be modified during this test case.
Prerequisite SP Setup:	 Create one range of 500 Inter-Service Provider subscription versions 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 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. Verify that the SVIDs are NOT consecutive for the full 1000 TNs.

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.

		REPORT to the New SP SOA based on their Customer TN Range Notification setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT		NPAC SMS according to their Customer TN Range Notification setting. If the setting is TRUE the New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange containing a list of the SVIDs.
6.	NPAC	REPORT Confirmation to the NPAC SMS. NPAC SMS issues an M-EVENT-	SP	The New SP SOA receives the M-EVENT-REPORT from the
5.	SP	subscriptionNewSP- CreationTimeStamp subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeCause Code subscriptionVersionStatus Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
4.	NPAC	NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeAttribute ValueChange to the Old SP SOA for the range of 1000 TNs containing a list of the SVIDs and the following attributes: • subscriptionNewSP-DueDate	SP	Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange notifications from the NPAC SMS containing a list of the SVIDs.
3.	NPAC	TN in the request. 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.
2.	NPAC	zeros) • subscriptionOldSP- Authorization (set to FALSE) • subscriptionStatusChangeC auseCode (set to a valid value) 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	NPAC	NPAC SMS receives the M-SET subscriptionVersionNPAC from itself and issues an M-SET Response to itself.
		the range of 1000 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes: • subscriptionTNRange • subscriptionOldSP- DueDate (seconds set to		

		subscriptionVersionRangeAttri buteValueChange for the range of 1000 TNs containing a list of SVIDs and the subscription version attributes bulleted below. 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: subscriptionNewSP- DueDate subscriptionNewSP- CreationTimeStamp subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeC auseCode subscriptionVersionStatus		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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'conflict' on the NPAC SMS.

Test Case Number:	NANC 179-11	SUT Priority:	SOA LTI	N/A		
			SOA	C		
			non-EDR LSMS	N/A		
			EDR LSMS	N/A		
Objective:	Objective: SOA – Old Service Provider Personnel modify a range of 'conflict' subscription ve					
	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 subm	itted without any other of	create activity between t	to ensure that the SVIDs		
	for the TNs in the ranges	s are contiguous. The mo	odify request is submitte	ed as one range. The		
	modify request results in	n one notification because	se the TNs and SVIDs a	re both contiguous and		
	all TNs in the range have			.		

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	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	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	1. Create one range of 100 Inter-Service Provider subscription versions using consecutive non-
Setup:	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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Old SP Personnel submit a request to the NPAC to modify the authorization flag from 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.

		subscriptionVersionModify		
		Request to the NPAC SMS for		
		the range of TNs and includes		
		the following attributes:		
		 subscriptionTNRange 		
		subscriptionOldSP-		
		DueDate (seconds set to		
		zeros)		
		subscriptionOldSP-		
		Authorization (set to		
		TRUE)		
		• subscriptionStatusChangeC		
		auseCode (set to a valid		
2.	NPAC	value)	NPAC	NIDA C CMC and in a dia M CET and a mindia a Vancia a NIDA C
۷.	INPAC	NPAC SMS locates the respective	INPAC	NPAC SMS receives the M-SET subscription Version NPAC
		subscription versions, and issues an M-SET Request		from itself and issues an M-SET Response to itself.
		subscriptionVersionNPAC to itself		
		to set the		
		subscriptionModifiedTimeStamp to		
		the current date and time for each		
		TN in the request.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA receives the M-ACTION Response from the NPAC
		Response to the Old SP SOA.		SMS.
4.	NPAC	NPAC SMS issues one M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT
		REPORT		subscriptionVersionRangeAttributeValueChange from the
		subscriptionVersionRangeAttribute		NPAC SMS.
		ValueChange to the Old SP SOA for		
		the range of 200 TNs with start and		
		end TNs and the following		
		attributes:		
		subscriptionNewSP-DueDate		
		• subscriptionNewSP-		
		CreationTimeStamp		
		• subscriptionOldSP-		
		Authorization		
		• subscriptionOldSP-		
		AuthorizationTimeStamp		
		• subscriptionStatusChangeCause Code		
		subscriptionVersionStatus.		
5.	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation.
		REPORT Confirmation to the		THE SHAD POOLING MA IN EVENT RELIGION COMMINMENT.
		NPAC SMS for the range of 200		
		TNs.		
6.	NPAC	NPAC SMS issues an M-EVENT-	SP	The New SP SOA receives the M-EVENT-REPORT from the
		REPORT to the New SP SOA based		NPAC SMS according to their Customer TN Range Notification
		on their Customer TN Range		setting.
		Notification setting.		If the setting is TRUE the New SP SOA receives an M-
		• If the setting is TRUE, the		EVENT-REPORT
		NPAC SMS issues an M-		subscriptionVersionRangeAttributeValueChange from the
		EVENT-REPORT		NPAC SMS.
		subscriptionVersionRangeAttri		If the setting is FALSE the New SP SOA receives an M-
		buteValueChange for the range		EVENT-REPORT
1		of 200 containing the start and		subscriptionVersionAttributeValueChange for each TN in

		end TN and the subscription version attributes bulleted below. 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: subscriptionNewSP- DueDate subscriptionNewSP- CreationTimeStamp subscriptionOldSP- Authorization subscriptionOldSP- AuthorizationTimeStamp subscriptionStatusChangeC auseCode		the range (200).
		• subscriptionVersionStatus		
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 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

Test Case Number:	NANC 179-12	SUT Priority:	SOA LTI	N/A
			SOA	С
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Prov change the authorization Indicator is set to TRUE ranges. The TNs used in create activities are subn TNs in the ranges are no request results in one not	flag from FALSE to TR. In the prerequisite creat the ranges are contiguounitted between the range t contiguous. The modifi	UE. Their Customer TN te process the range is su as and have the same feat create requests to ensure y request is submitted as	Range Notification bmitted as two smaller cure data but other that the SVIDs for the one range. The modify

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	1. Verify that the Old SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	 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:	 Create one range of 5 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 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

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.

		TNs described in the prerequisites above. 2. The SOA issues an M-ACTION subscriptionVersionModify Request to the NPAC SMS for the range of TNs and includes the following attributes: • 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: • subscriptionNewSP-DueDate • subscriptionNewSP-CreationTimeStamp • subscriptionOldSP-Authorization • subscriptionOldSP-AuthorizationTimeStamp • subscriptionOldSP-AuthorizationTimeStamp • subscriptionStatusChangeCause Code • subscriptionVersionStatus.	SP	Old SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange 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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttri buteValueChange for the range of 10 TNs in the range containing a list of the SVIDs	SP	 The New SP SOA receives the M-EVENT-REPORT from the NPAC SMS according to their Customer TN Range Notification setting. If the setting is TRUE the New SP SOA receives one M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange 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 subscriptionVersionAttributeValueChange for each TN in the range (10).

		and the subscription version attributes bulleted below. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionAttributeVa lueChange for each TN in the range of 10 including the following subscription version attributes: subscriptionNewSP-DueDate subscriptionNewSP-CreationTimeStamp subscriptionOldSP-Authorization subscriptionOldSP-AuthorizationTimeStamp subscriptionStatusChangeC auseCode 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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription versions modified during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

Test Case Number:	NANC 179-13	SUT Priority:	SOA LTI	N/A		
			SOA	С		
			non-EDR LSMS	R		
			EDR LSMS	R		
Objective:	Objective: SOA – Current Service Provider Personnel perform an immediate disconnect for a					
	'active' subscription versions. Their Customer TN Range Notification Indicator is set to					
	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					
	are contiguous. The disconnect request is submitted as one range. The disconnect request					
	in one notification because the TNs and SVIDs are both contiguous and all TNs in the range					
	have the same feature da		. 8	8.		

B. REFERENCES

NANC Change Order		Change Order	NANC 179
Revision Number:		Number(s):	
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	1. Verify that the New SP Customer TN Range Notification Indicator is set to TRUE.
Setup:	2. Verify that 10 consecutive subscription versions exist with a status of 'active' where the current SP is the SP under test. All 10 TNs should have one set of DPC/SSN data. The SVIDs should be consecutive for all 10 TNs.
Prerequisite SP	1. Create one range of 5 Inter-Service Provider subscription versions using consecutive non-
Setup:	ported TNs, with one set 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.
	3. Verify that the SVs for the range of 10 TNs have a status of 'active'.
	4. Verify that the SVIDs are consecutive for the full 10 TNs.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	1. Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 10 Inter- Service Provider subscription versions. Specify the range of 10 consecutive TNs described in the prerequisites above. 2. The SOA issues an M-ACTION 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 subscription VersionNPAC to itself to set the subscription version Status to 'disconnect-pending' and the subscriptionCustomerDisconnectDa te 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: If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDono rSP-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. 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	 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.

	1	subscriptionDisconnectCompleteTi		
		meStamp to the current date and		
		time for all TNs in the range.		
8.	NPAC	NPAC SMS issues one M-EVENT-	SP	Current SP SOA receives the M-EVENT-REPORT
0.	MIAC	REPORT	51	subscriptionVersionRangeStatusAttributeValueChange from the
				NPAC SMS.
		subscriptionVersionRangeStatusAttr		NPAC SIVIS.
		ibuteValueChange to the Current SP SOA for the range of 10 TNs		
		indicating their subscription version		
		status is now 'old'.		
9.	SP		NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation for
).	Sr	Current SP SOA issues an M- EVENT-REPORT Confirmation to	NFAC	the 10 TNs.
				the TO TNS.
		the NPAC SMS for the range of 10 TNs.		
10.	NPAC		NPAC	The subscription versions exist with a status of 'old'.
10.	NPAC	NPAC Personnel perform a query	INPAC	The subscription versions exist with a status of oid.
		for the range of subscription versions activated in this test case.		
11.	SP –		SP	1 On the COA the extension of the description
11.	Optiona	Current SP Personnel perform a	SP	1. On the SOA, the subscription versions either do not exist or
	1	local query for the subscription		they exist with a status of 'old' and an empty Failed SP List.
	1	versions disconnected during this		
12	CD	test case.	CD	2. On the LSMS, the subscription versions do not exist.
12.	SP – Conditi	Current SP Personnel perform an	SP	The subscription versions exist with a status of 'old' on the
	onal	NPAC SMS query for the		NPAC SMS.
	Ullal	subscription versions disconnected		
		during this test case.		

Test Case Number:	NANC 179-14	SUT Priority:	SOA LTI	N/A
			SOA	С
			non-EDR LSMS	R
			EDR LSMS	R
Objective:	SOA – Current Service I Their Customer TN Ran process the range is subr and have the same featur requests to ensure that the request is submitted as o list of the SVIDs. – Succession	ge Notification Indicator mitted as two smaller ran re data but other create ac le SVIDs for the TNs in to the range. The disconnec-	is set to TRUE. In the pages. The TNs used in the ctivities are submitted be the ranges are not contiguous.	rerequisite create ranges are contiguous tween the range create uous. The disconnect

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	Verify that the New SP Customer TN Range Notification Indicator is set	to TRUE.
Setup:	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 DF	C/SSN data. The
	SVIDs should NOT be consecutive for all 1000 TNs.	
Prerequisite SP	Create one range of 500 Inter-Service Provider subscription versions usi	ng consecutive non-
Setup:	orted TNs, with one set one set of DPC/SSN data. For example, create et of DPC/SSN data.	1000-1499 with one
	Perform some other subscription version functions for other TNs that are ange being used in this test case to cause a break in SVIDs.	e not part of the TN
	Create another range of 500 InterService Provider subscription versions consecutive non-ported TNs, with the same DPC/SSN data as in the pre 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.	

ъ.		TELD AND EXTECTED RESULTS		
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	Using the SOA, Current SP Personnel submit a request to the NPAC to immediately disconnect a range of 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 subscription VersionNPAC to itself to set the subscription version Status to 'disconnect-pending' and the subscriptionCustomerDisconnectDa te 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: If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeDono rSP-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. • 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	 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 subscriptionDisconnectCompleteTi meStamp to the current date and time for all TNs in the range.		
8.	NPAC	NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeStatusAttr ibuteValueChange 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 – Optiona 1	Current SP Personnel perform a local query for the subscription versions disconnected during this test case.	SP	 On the SOA, the subscription versions either do not exist or they exist with a status of 'old' and an empty Failed SP List. On the LSMS, the subscription versions do not exist.
12.	SP – Conditi onal	Current SP Personnel perform an NPAC SMS query for the subscription versions disconnected during this test case.	SP	The subscription versions exist with a status of 'old' on the NPAC SMS.

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 a	ccordingly. – 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	1.	Verify that the Current SP Customer TN Range Notification Indicator is set according to
Setup:		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	1.	Create and activate a range of 2500 subscription versions within one NPA-NXX.
Setup:	2.	Create and activate a range of 2500 subscription versions within another NPA-NXX using
		the same LRN as in the previous create.
	3.	Verify that both ranges of 2500 TNs have the same LRN.

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	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. 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	 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. 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. All LSMSs that received an M-SET from the NPAC SMS issue an M-SET Response back to the NPAC SMS. 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	1. NPAC SMS issues one M-EVENT-REPORT subscriptionVersionRangeStatu sAttributeValueChange 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 subscriptionVersionRangeStatu sAttributeValueChange 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	 Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange from the NPAC SMS for the first 2500 TNs in the request and issues an M-EVENT-REPORT Confirmation back to the NPAC SMS. Current SP SOA receives the M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange 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 - Optiona 1	Current SP Personnel perform a local query for the subscription versions that were updated during this test case.	SP	 On the SOA, the subscription versions exist with a status of 'active' and an empty Failed SP List. On the LSMS, the subscription versions exist with a status of 'active' and the new LRN.
6.	SP - Conditi onal	Current SP Personnel perform an NPAC SMS query for the subscription versions that were updated during this test case.	SP	The subscription versions exist with a status of 'active' and the new LRN on the NPAC SMS.

Test Case Number:	NANC 179-16	SUT Priority:	SOA LTI	
			SOA	
			non-EDR LSMS	
			EDR LSMS	
Objective:	SOA – Service Provider	has their Customer TN F	Range Notification Indica	ntor set to the value
	they will use in production	ranges of TNs		
	Success			

B. REFERENCES

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

C. PREREQUISITE

PREREQUISITE	
Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	 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: 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.

	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.
	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.
	14. Where the SP under test is the current SP, de-pool a Number Pool Block.
	For example, de-pool 9000-9999.
Prerequisite SP	1. Create a range of 10,000 subscription versions.
Setup:	2. Have the old service provider concur to the create request or let the Concurrence Window
-	timers expire.
	3. Verify that the due date on the subscription versions has been reached.

Row #	NPAC	Test Step	NPAC	Expected Result
	or SP	_	or SP	
1.	SP	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	 NPAC SMS begins queuing messages destined for the SP SOA. NPAC Personnel perform steps 'a – n' of the prerequisites above. 	NPAC	NPAC stores the messages according to the SP Customer TN Range Notification Indicator setting.
4.	SP	 After all the prerequisites have been completed, SP Personnel bring their SOA back on-line. The SP establishes an association from their SOA to the NPAC SMS with the resynchronization flag set to TRUE. 	NPAC	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	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: If the SP Customer TN Range Notification Indicator is set to TRUE, the SP will receive: 1. For the TNs in Row 1 above: • One M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for all TNs in the range

2.	For the	TNs in	step 'a	of the	prerequis	ıtes:
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- 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:
 - One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range
- 4. For the TNs in step 'c' of the prerequisites:
 - One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range
- 5. For the TNs in step 'd' of the prerequisites:
 - One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in SVIDs)
 - 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:
 - One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range
- 7. For the TNs in step 'f' of the prerequisites:
 - 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:
 - One M-EVENT-REPORT subscription versionRangeDonorSP-CustomerDisconnectDate for all TNs in the range
- 9. For the TNs in step 'h' of the prerequisites:
 - One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range
- 10. For the TNs in step 'i' of the prerequisites:
 - One M-EVENT-REPORT subscriptionVersionRangeNewSP-CancellationAcknowledge for all TNs in the range
- 11. For the TNs in step 'j' of the prerequisites:
 - One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range
- 12. For the TNs in step 'k' of the prerequisites:
 - One M-EVENT-REPORT

subscriptionVersionRangeStatusAttributeValueChange for the first 25 TNs in the range (due to a unique set of DPC/SSN data)

- One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for the next 25 TNs in the range (due to a unique set of DPC/SSN data)
- 13. For the Number Pool Block in step 'm' of the prerequisites:
 - One M-EVENT-REPORT numberPoolBlockObjectCreation
- 14. For the Number Pool Block in step 'n' of the prerequisites:
- One M-EVENT-REPORT numberPoolBlockDelete If the SP Customer TN Range Notification Indicator is set to FALSE, the SP will receive:
- 1. For the TNs in Row 1 above:
 - An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range
- 2. For the TNs in step 'a' of the prerequisites:
 - An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range
 - An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range
 - An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range
- 3. For the TNs in step 'b' of the prerequisites:
 - An M-EVENT-REPORT subscriptionVersionAttributeValueChange for each TN in the range
- 4. For the TNs in step 'c' of the prerequisites:
 - An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range
- 5. For the TNs in step 'd' of the prerequisites:
 - An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range
- 6. For the TNs in step 'e' of the prerequisites:
 - An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the range
- 7. For the TNs in step 'f' of the prerequisites:
 - 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:
 - An M-EVENT-REPORT subscription versionDonorSP-CustomerDisconnectDate for each TN in the range
- 9. For the TNs in step 'h' of the prerequisites:
 - An M-EVENT-REPORT subscription Version Object Creation for each TN in the

				range 10. For the TNs in step 'i' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionNewSP- CancellationAcknowledge for each TN in the range 11. For the TNs in step 'j' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionObjectCreation for each TN in the
				range 12. For the TNs in step 'k' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 13. For the Number Pool Block in step 'm' of the prerequisites: • One M-EVENT-REPORT numberPoolBlockObjectCreation 14. For the Number Pool Block in step 'n' of the prerequisites:
7.	SP	The SOA Service Provider issues an M-ACTION Request InpRecoveryComplete to the NPAC SMS to set the resynchronization flag to FALSE.	NPAC	One M-EVENT-REPORT numberPoolBlockDelete 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	The following updates were sent: 1. For the TNs that are part of Row 1 above: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'e' in the prerequisites: • The subscription versions exist with a status of 'conflict'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'old'. (or may not exist depending on local implementation) 5. For the TNs that are part of step 'h' in the prerequisites: • The subscription versions exist with a status of 'cancel-pending'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'cancel-pending'. 6. For the TNs that are part of step 'j' in the prerequisites: • The subscription versions exist with a status of 'cancel-pending'.

	1	T		lender and the second
				 7. For the TNs that are part of step 'k' in the prerequisites: The subscription versions exist with a status of 'active'.
				8. For the Number Pool Block that is part of step 'm' in the prerequisites:
				The Number Pool Block exists and subscription
				versions of LNP Type 'POOL' exist with status of 'active'.
				9. For the Number Pool Block that is a part of step 'n' in the
				prerequisites:
				The Number Pool Block does not exist and respective
				subscription versions exist with a status of 'old'. (the
				subscription versions may not exist depending on local
				implantation)
11.	SP – Conditi	Service Provider Personnel, perform	SP	The following results are found:
	onal	an NPAC SMS query for the data updated in this test case.		For the TNs that are part of Row 1 above: The subscription versions exist with a status of
		updated in this test case.		'active'.
				2. For the TNs that are part of prerequisites step 'a':
				The subscription versions were created and had a
				status of 'pending'.
				3. For the TNs that are part of prerequisites step 'b':
				The 'pending' subscription versions were modified to
				the new LRN.
				4. For the TNs that are part of prerequisites step 'c':The subscription versions were cancelled and have a
				status of 'old'.
				5. For the TNs that are part of prerequisites step 'd':
				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 'e':
				• The subscription versions were created and had a status of 'pending'.
				7. For the TNs that are part of prerequisites step 'f':
				A notification was sent that the New SP did not concur
				to these subscription versions.
				8. For the TNs that are part of prerequisites step 'g':
				• The subscription versions have a status of 'old'.
				9. For the TNs that are part of prerequisites step 'h':
				• The subscription versions were created and had a status of 'pending'.
				10. For the TNs that are part of prerequisites step 'i':
				The subscription versions exist with a status of
				'cancel-pending'.
				11. For the TNs that are part of prerequisites step 'j':
				• The subscription versions were created and had a status of 'pending'.
				12. For the TNs that are part of prerequisites step 'k':
				The subscription versions were created and had a
				status of 'pending'.
				13. For the TNs that are part of prerequisites step '1': • The subscription versions exist with a status of
				'active'.
				14. For the Number Pool Block that is part of prerequisites step
				'm':

	 The Number Pool Block exists and respective
	subscription versions with LNP Type 'POOL' exist with a
	status of 'active'.
	15. For the Number Pool Block that is part of prerequisites step
	'n':
	The Number Pool Block does not exist and the
	respective subscription versions of LNP Type 'POOL'
	have a status of 'old'.

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	s their Customer TN Ran	ge Notification Indicator	r value from TRUE to
	FALSE and recovery is a	nttempted. – Success		

B. REFERENCES

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

C. PREREQUISITE

PREREQUISITE	,
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify the Customer TN Range Notification Indicator is set to TRUE for the SP under test.
Setup:	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:
	 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	1. Create a range of 10,000 subscription versions.
Setup:	2. Have the old service provider concur to the create request or let the Concurrence Window
	timers expire. 3. Verify that the due date on the subscription versions has been reached.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	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	 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	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	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: 1. For the TNs in Row 1 above: • One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for all TNs in the range 2. For the TNs in step 'a' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeObjectCreation for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeOldSP-Concurrence for all TNs in the range • One M-EVENT-REPORT subscriptionVersionRangeOldSP-FinalCreateWindowExpiration for all TNs in the range 3. For the TNs in step 'b' of the prerequisites: • One M-EVENT-REPORT subscriptionVersionRangeAttributeValueChange for all TNs in the range 4. For the TNs in step 'c' of the prerequisites:

	T	T	1	. O MEMENTE DEDONT
7	CD	The GOA Garain Burning	NDAC	 One M-EVENT-REPORT subscription VersionRangeStatusAttributeValueChange for all TNs in the range For the TNs in step 'd' of the prerequisites: One M-EVENT-REPORT subscriptionVersionRangeStatusAttributeValueChange for the first 20 TNs in the range (due to a break in
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	The following updates were sent: 1. For the TNs that are part of Row 1 above: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'.

11.	SP –	Service Provider Personnel, perform	SP	The following results are found:
	Conditi	an NPAC SMS query for the data		1. For the TNs that are part of Row 1 above:
	onal	updated in this test case.		• The subscription versions exist with a status of
				'active'.
				2. For the TNs that are part of prerequisites step 'a':
				The subscription versions were created and had a
				status of 'pending'.
				3. For the TNs that are part of prerequisites step 'b':
				The 'pending' subscription versions were modified to
				the new LRN.
				4. For the TNs that are part of prerequisites step 'c':
				• The subscription versions were cancelled and have a
				status of 'old'.
				5. For the TNs that are part of prerequisites step 'd':
				• 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': The subscription versions were created and had a
				status of 'pending'.
				7. For the TNs that are part of prerequisites step 'g':
				The subscription versions were created and had a
				status of 'pending'.
				8. For the TNs that are part of prerequisites step 'h':
				• The subscription versions exist with a status of
				'active'.
				active.

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 abort	s their SOA
	association. Service Prov	vider changes their Custo	omer TN Range Notificat	ion Indicator value
	from FALSE to TRUE at	nd recovery is attempted	. – Success	

B. REFERENCES

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

C. PREREQUISITE

PREREQUISITE	
Prerequisite Test	
Cases:	
Cases: Prerequisite NPAC Setup:	 Verify the Customer TN Range Notification Indicator is set to FALSE for the SP under test. 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: 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. Modify the LRN for the first 20 consecutive TNs of the subscription versions created in step 'a' above. For example, modify 1000-1019. Cancel the last 5 TNs of the subscription versions created in step 'a' above. For example, cancel 1045-1049. Activate the first 45 TNs of the subscription versions create in step 'a' above. For example, activate 1000-1044. Modify the Customer TN Range Notification Indicator for the SP under test from FALSE to TRUE. Where SP under test is the New SP, Create a range of 25 consecutive, non-ported TNs using one set of DPC/SSN data.
	from steps 'j' and 'k' above.
2 44 62	For example, activate 5000-5049.
Prerequisite SP	1. Create a range of 10,000 subscription versions.
Setup:	2. Have the old service provider concur to the create request or let the Concurrence Window
	timers expire.
	3. Verify that the due date on the subscription versions has been reached.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	SP	 Using the SOA, Service Provider Personnel submit a request to the NPAC SMS to activate 10,000 subscription versions. SOA issues an M-ACTION subscription VersionActivate 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	 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	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	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: 1. For the TNs in Row 1 above: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for each TN in the range 2. For the TNs in step 'a' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionOldSP-Concurrence for each TN in the range • An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration 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: • An M-EVENT-REPORT subscriptionVersionOldSP-FinalCreateWindowExpiration for each TN in the range 4. For the TNs in step 'c' of the prerequisites: • An M-EVENT-REPORT subscriptionVersionStatusAttributeValueChange for

				each TN in the range 5. For the TNs in step 'd' of the prerequisites: • An M-EVENT-REPORT subscription Version Status Attribute Value Change for the each TN in the range 6. For the TNs in step 'f' of the prerequisites: • One M-EVENT-REPORT subscription Version Range Object Creation for all TNs in the range 7. For the TNs in step 'g' of the prerequisites: • One M-EVENT-REPORT subscription Version Range Object Creation for all TNs in the range 8. For the TNs in step 'h' of the prerequisites: • One M-EVENT-REPORT subscription Version Range Status Attribute Value Change 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 – Optiona I	Service Provider Personnel, using the SOA, perform a local query for the data updated in this test case.	SP	The following updates were sent: 1. For the TNs that are part of Row 1 above: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of step 'a' in the prerequisites: • The first 20 subscription versions exist with a status of 'active' and a different LRN then the last 25 subscription versions in the range. • The next 25 subscription versions in the range exist with a status of 'active' and a unique LRN from the first 20 subscription versions in the range. • The last 5 subscription versions in the range have a status of 'old' (or may not exist depending on local implementation). 3. For the TNs that are part of step 'f' in the prerequisites: • The subscription versions exist with a status of 'active'. 4. For the TNs that are part of step 'g' in the prerequisites: • The subscription versions exist with a status of 'active'.
11.	SP – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The following results are found: 1. For the TNs that are part of Row 1 above: • The subscription versions exist with a status of 'active'. 2. For the TNs that are part of prerequisites step 'a': • The subscription versions were created and had a status of 'pending'.

3. For the TNs that are part of prerequisites step 'b':
 The 'pending' subscription versions were modified to
the new LRN.
4. For the TNs that are part of prerequisites step 'c':
 The subscription versions were cancelled and have a
status of 'old'.
5. For the TNs that are part of prerequisites step 'd':
 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':
 The subscription versions were created and had a
status of 'pending'.
7. For the TNs that are part of prerequisites step 'g':
 The subscription versions were created and had a
status of 'pending'.
8. For the TNs that are part of prerequisites step 'h':
The subscription versions exist with a status of
'active'.

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:	they will use in producti period of time in an actu	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					

B. REFERENCES

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

C. PREREQUISITE

TREREQUISITE		
Prerequisite Test		
Cases:		
Prerequisite NPAC	1.	Verify that the Customer TN Range Notification Indicators are set to the production values
Setup:		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.	J 1
		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.

	 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. 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. 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
Prerequisite SP Setup:	

Row #	NPAC	Test Step	NPAC	Expected Result
1	or SP		or SP	1 NING OMG
1.	SP	1. 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. 2. The SOA systems issue M-ACTION subscriptionVersion(New/Old)S P-Create requests to the NPAC SMS that include all required subscription version attributes.	NPAC	 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	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	 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	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	 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	Using their SOA systems, multiple SP Personnel submit range subscription version	NPAC	NPAC SMS receives the M-ACTION subscriptionVersionModify requests from the SP SOA systems and verify that each request is valid according to

5.	SP	modify requests to the NPAC. The SOA systems issue M-subscriptionVersionModify requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP. Using their SOA systems, multiple SP Personnel submit	NPAC	system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS issues an M-ACTION response back to the SPs. 1. NPAC SMS receives the M-ACTION subscriptionVersionDisconnect requests from the SP SOA
		range subscription version Immediate Disconnect requests to the NPAC. 2. The SOA systems issue M- subscriptionVersionDisconnect requests to the NPAC SMS and specify a range of 'pending' TNs whereby they are the New SP.		subscription version Disconnect requests from the SP SOA systems and verify that each request is valid according to system requirements. 2. NPAC SMS performs internal processing related to this request. 3. NPAC SMS issues an M-ACTION response back to the SPs. 4. NPAC performs processing with LSMSs in the region accepting downloads for these NPA-NXXs.
6.	SP	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	 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 LSMSs 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	 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 LSMSs in the region accepting downloads for these NPA-NXX-Xs.
Follow	ing is NPA	C notification processing related to Ro	ws 1-7 ab	pove.
1.	NPAC	NPAC issues the following M-EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings. If the setting is TRUE: NPAC issues An M-EVENT-REPORT subscription Version Range Object Creation 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 subscription Version Range (Old /New)SP-Concurrence request to any (Old/New) SP that did	SP	 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'.

		not concur to the range Create			
		as well as to the respective			
		(New/Old) SPs for the TN			
		ranges created.			
		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			
		an M-EVENT-REPORT			
		subscriptionVersionObjectCrea			
		tion to 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	NPAC issues the following M-	SP	1.	SP SOA systems receive the M-EVENT-REPORT
		EVENT-REPORT notifications to			notifications according to their Customer TN Range
		SPs based on their Customer TN			Notification Indicator setting.
		Range Notification Indicator		2.	SP personnel verify that they received the notifications.
		Settings.		3.	(Optional) SP Personnel verify that the subscription
		• If the setting is TRUE:			versions exist with the correct status (either 'active', 'failed'
		NPAC issues:			and Failed SP List, or 'partial-fail' and Failed SP List)
		• an M-EVENT-REPORT		1	according to what the NPAC broadcasted on their SOA.
	<u> </u>	subscriptionVersionRangeStat		4.	(Optional) SP Personnel verify that the subscription

	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). If the setting is FALSE: NPAC issues an M-EVENT-REPORT subscriptionVersionStatusAttri buteValueChange 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		5.	versions exist with the correct status (either 'active', 'failed', or 'partial-fail') according to what the NPAC broadcasted on their LSMS. (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	Failed SP List). NPAC issues the following M- EVENT-REPORT notifications to SPs based on their Customer TN Range Notification Indicator Settings. If the setting is TRUE: NPAC issues 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 an M-EVENT-REPORT subscriptionVersionStatusAttri buteValueChange 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	1. 2. 3. 4.	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	NPAC issues the following M-	SP	1.	SP SOA systems receive the M-EVENT-REPORT
		EVENT-REPORT notifications to			notifications according to their Customer TN Range
		SPs based on their Customer TN			Notification Indicator setting.
		Range Notification Indicator		2.	SP personnel verify that they received the notifications.
		Settings.		3.	(Optional) SP Personnel verify that the subscription
		If the setting is TRUE:			versions exist on their local system with a status of 'active',
		NPAC issues			and the modified subscription version values.
		 an M-EVENT-REPORT 		4.	(Conditional) SP personnel verify that the subscription
		subscriptionVersionRangeAttri			versions exist on the NPAC with a status of 'active' and the
		buteValueChange to the SP			modified subscription version values.
		SOAs for the first 25 TNs in			•
		the ranges that were modified.			
		As well as an M-EVENT-			
		REPORT			
		subscriptionVersionRangeAttri			
		buteValueChange 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			
		subscriptionVersionAttributeValueC			
		hange to the SP SOAs for each TN			
		in each of the ranges modified.			
5.	NPAC	NPAC issues the following M-	SP	1.	SP SOA systems receive the M-EVENT-REPORT
	111110	EVENT-REPORT notifications to		1.	notifications according to their Customer TN Range
		SPs based on their Customer TN			Notification Indicator setting.
		Range Notification Indicator		2.	SP personnel verify that they received the notifications.
		Settings.		3.	(Optional) SP Personnel verify that the subscription
		• If the setting is TRUE:		-	versions exist with the correct status (either 'old', 'failed'
		NPAC issues			and Failed SP List, or 'partial-fail' and Failed SP List)
		• an M-EVENT-REPORT			according to what the NPAC broadcasted on their SOA. *If
		subscriptionVersionRangeDon			the status is really 'old' then depending on the local
		orSP-			implementation, the subscription version may not exist.
		CustomerDisconnectDate to		4	(Optional) SP Personnel verify that the subscription
		the Donor SPs SOA for the TN		''	versions exist with the correct status (either 'old', or
		ranges disconnected.			'active') according to what the NPAC broadcasted on their
		an M-EVENT-REPORT			LSMS.
		subscriptionVersionRangeStat		5.	(Conditional) SP Personnel verify that the subscription
		usAttributeValueChange		-	versions exist with the correct status (either 'old', 'failed'
		request to the current SP for			with a Failed SP List, or 'partial-fail' with a Failed SP List)
		the TN ranges disconnected.			according to what the NPAC broadcasted to their SOA.
		This notification will include			5
		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			
1		an M-EVENT-REPORT		1	
	I			ı	I
		subscriptionVersionDonorSP-			

		CustomerDisconnectDate to the Donor SPs SOA for each TN in each of the ranges disconnected. • an M-EVENT-REPORT subscriptionVersionStatusAttri buteValueChange 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	NPAC issues the following M- EVENT-REPORT notifications to SPs: • an M-EVENT-REPORT numberPoolBlockStatusAttribu teValueChange 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	 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	NPAC issues the following M-EVENT-REPORT notifications to SPs: • an M-EVENT-REPORT numberPoolBlockStatusAttribu teValueChange 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	 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. NA	2. NANC 240 – No Cancellation of SVs Based on Expiration of T2 Timer								
Test	Test Case Description	Req.	IIS Flow	Comments/Issues					
Case #									
NANC	SOA – Old Service Provider creates a single TN	1, 3, 5,	B5.1.1,						
240-1	subscription version. New Service Provider does not	7, R4-8	B.5.1.6.4						
	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								
NANC	SOA – Old Service Provider creates a subscription	4, 6,	B5.1.1,						
240-2	version. New Service Provider does not send create.	R4-8	B.5.1.6.4						
	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								
NANC	SOA – Old Service Provider creates a subscription	1, 4, 6,	B5.1.1,						
240-3	version. New Service Provider does not send create.	7	B.5.1.6.4						
	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								
211210	'pending' status for a tunable amount. – Success	1 4 6	D. 7. 1. 1						
NANC	SOA – Old Service Provider creates a subscription	1, 4, 6,	B5.1.1,						
240-4	version. New Service Provider does not send create.	7	B.5.1.6.4						
	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. –								
NANC	Success Old SP creates a subscription version with	1 2 7	D5 1 1	Need to have tunable for 'confilict' to					
		1, 2, 7	B5.1.1,						
240-5	authorization flag set to FALSE, New SP does not		B.5.1.6.4	'cancelled' set to a small value.					
	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								
NANC	SOA – Service Provider has the No New SP	1	B.7.2						
NANC 240-6	Concurrence Notification Indicator set to TRUE.	1, RR6-29	D./.2						
∠ 4 0-0	Service Provider recovers Final Create Window	KKU-29							
	Betwice Floridet recovers Filial Cleate Willdow								

		Expiration notifications during recovery. – Success			
N	ANC	SOA – Service Provider has the No New SP	4,	B.7.2	
24	40-7	Concurrence Notification Indicator set to FALSE.	RR6-29		
		Service Provider does not recover Final Create			
		Window Expiration notifications during recovery. –			
		Success			

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	С
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Old Service Prov does not send create. Tin Notification Indicator is Create Window Expiration version stays in 'pending status is changed to 'can	ners (T1 & T2) expire. To set to TRUE for both the connotification is sent to set status for a tunable am	he NPAC Customer No Ne Old and New Service Probable Service Providers. To ount of time. Verify that	New SP Concurrence roviders. The Final Fin

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	Set the Pending Subscription Retention parameter to a small value.
Setup:	 Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers. 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 #	NIDAG	TD 4.04	NIDAG	In . In .
Row #	NPAC	Test Step	NPAC	Expected Result
	or SP		or SP	
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: • 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.

NPAC NPAC SMS issues an M-CREATE Request subscription version on the NPAC SMS. NPAC NPAC SMS issues an M-CREATE Request subscription version on the NPAC SMS. NPAC NPAC SMS. NPAC NPAC SMS issues an M-ACTION subscription version OldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created. NPAC NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. NPAC NPAC SMS issues an M-EVENT-REPORT for the TN and issues an Response subscription version NPAC for the TN and issues an Response subscription version version subscription version status to 'pending' and set the subscription version. SP Old SP SOA receives the M-ACTION subscription version OldSP-Create Response from SMS indicating the subscription version was succederated, the status is 'pending' and the subscription version of the subscription version was succederated, the status is 'pending' and the subscription version of SMS indicating the subscription version was succederated, the status is 'pending' and the subscription version of SMS indicating the subscription version was succederated, the status is 'pending' and the subscription version of SMS indicating the subscription version was succederated, the status is 'pending' and the subscription version of SMS according to their Customer TN Range Notification Indicator setting. NPAC NPAC SMS issues an M-EVENT-REPORT for SMS according to their Customer TN Range Notification Indicator setting.	t the e e e and time for the NPAC
subscription Version Old SP-Create Response to the Old SP SOA indicating the subscription version was successfully created. NPAC N	
REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. SMS according to their Customer TN Range Notification. Setting.	
NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObjec tCreation. If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT objectCreation.	
5. SP New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS receives the M-EVENT-REPORT Confirmation indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	nfirmation
NPAC SMS issues an M-EVENT- REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting indicating the NPAC successfully processed the subscription version create request from the service provider. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscriptionVersionRangeObjec tCreation. If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT	
objectCreation	nfirmation

		for the subscription version created in this test case.		
9.	SP – Optiona 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
10.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. 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. 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. 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 – Optiona 1	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 – Conditi onal	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.

		 has been set to 'cancelled': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange indicating the status is 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange for the TN indicating the status is 'cancelled'. 		
24.	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': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange.	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 – Optiona 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled'.
27.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'cancelled' on the NPAC SMS.

ſ	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 Prov create. Timers (T1 & T2) Indicator is set to FALSE Expiration notification is 'pending' status for a tun	expire. The NPAC Cust for both the Old and No not sent to either Service	tomer No New SP Concu ew Service Providers. The ee Provider. The subscrip	rrence Notification the Final Create Window

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	Set the Pending Subscription Retention parameter to a small value.
Setup:	 Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to FALSE for both the Old and New Service Providers. 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 #		TETS AND EXPECTED RESULTS	NIDAG	D (ID 1)
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
	or SP		or SP	
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 subscription Version Old SP-Create to the NPAC for the TN they wish to create. The Old SP includes the following valid attributes: • subscription Version TN • subscription New Current SP • subscription Old SP- • subscription Old SP-Due Date (seconds set to zero) • subscription Old SP-Authorization • subscription LNPType	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		Response subscriptionVersionNPAC to itself to set the subscription version status to 'pending' and set the
		respective subscription version on the NPAC SMS.		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. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec tCreation. • 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. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription VersionRangeObjec tCreation. • 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'.

	Optiona 1	query for the subscription version created during this test case.		
10.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
11.	NPAC	NPAC SMS waits for concurrence from the New SP for the TN the Old SP created.	SP	New SP SOA DOES NOT respond to the create request and the Service Provider Concurrence Window tunable expires.
12.	NPAC	Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT- REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. 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 – Optiona 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
19.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.
20.	NPAC	The Pending Subscription Retention	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': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange.	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': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange.	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 – Optiona 1	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 – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'pending' on the NPAC SMS.

	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.					
Į		The subscription version	stays in 'pending' status	s 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	Set the Pending Subscription Retention parameter to a small value.
Setup:	 Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for the NewSP and FALSE 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:	

Row #		TE 4 S4	NIDAC	E (ID I
KOW#	NPAC or SP	Test Step	NPAC or SP	Expected Result
	01.91		01.51	
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 subscription Version Old SP-Create to the NPAC SMS for the TN they wish to create. The Old SP includes the following valid attributes: • subscription Version TN • subscription New Current SP • subscription Old SP-Due Date (seconds set to zero) • subscription Old SP-Authorization • subscription LNPType	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 surrout data and time for
3.	NPAC	NPAC SMS issues an M-ACTION	SP	subscriptionCreationTimeStamp to the current date and time for the subscription version. Old SP SOA receives the M-ACTION
		subscriptionVersionOldSP-Create Response to the Old SP SOA indicating the subscription version was successfully created.		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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object t Creation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation	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. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object Creation. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation.	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'.

	Optiona	query for the subscription version		
10.	SP – Conditi onal	created during this test case. 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. 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	Setting. New New NPAC NPAC SMS receives the M-EVENT-REPORT Confirm	
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 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. 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 – Optiona 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
20.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

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

<u>D.</u>	TEST STEPS and EXPECTED RESULTS					
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result		
	or Sr		or Sr			
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 subscription Version Old SP-Create to the NPAC for the TN they wish to create. The Old SP includes the following valid attributes: • subscription Version TN • subscription New Current SP • subscription Old SP-Due Date (seconds set to zero) • subscription Old SP-Authorization • subscription LNPType	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		

	1	to itself for the TN to spect the	l .	Degrange gub grintian Vargian NDA C to its alf to get the
		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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object t Creation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation.	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. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription VersionRangeObjec tCreation. • 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'.
				· · · · · · · · · · · · · · · · · · ·

10. SP — Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case. 11. NPAC NPAC SMS waits for concurrence from the New SP for the TN the Old SP created. 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. 12. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription VersionRangeNew SP-Concurrence. 13. SP New SP SOA issues an M-EVENT-REPORT concurrence. 14. NPAC SMS issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. 15. New SP SOA receives the M-EVENT-REPORT subscription VersionRangeNew SP-Concurrence. 16. NPAC SMS issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. 17. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	nest and the es.
Conditional SMS query for the subscription version created during this test case. NPAC SMS waits for concurrence from the New SP for the TN the Old SP created. SP created. SP created. SP created. SP Concurrence Window tunable expired, NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription VersionRangeNew SP-Concurrence. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. New SP SOA issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. New SP SOA issues the M-EVENT-REPORT subscription VersionNewSP-Concurrence. New SP SOA issues the M-EVENT-REPORT from the New SP SOA. New SP SOA issues the M-EVENT-REPORT Confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS. NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS indicating it succe	nest and the es.
from the New SP for the TN the Old SP created. NPAC NPAC Once the Service Provider Concurrence Window has expired, NPAC SMS issues an M-EVENT-REPORT from SMS according to their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription VersionRangeNew SP-Concurrence. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. NPAC SMS issues an M-EVENT-REPORT subscription VersionNewSP-Concurrence. NPAC SMS issues an M-EVENT-REPORT confirmation to the NPAC SMS indicating it successfully received the M-EVENT-REPORT from the NPAC SMS.	es. the NPAC
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. If the setting is TRUE, the NPAC SMS issues an M- EVENT-REPORT subscription VersionRangeNew SP-Concurrence. If the setting is FALSE the NPAC SMS issues an M- EVENT-REPORT subscription VersionNewSP- Concurrence. NPAC SMS issues an M- EVENT-REPORT subscription Version NewSP- Concurrence. NPAC SMS receives the M-EVENT- REPORT Confirmation to the NPAC SMS indicating it successfully received the M- EVENT-REPORT from the NPAC SMS.	
REPORT Confirmation to the NPAC SMS indicating it successfully received the MEVENT-REPORT from the NPAC SMS.	·
	rmation
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 requestree Service Provider Concurrence Failure Window tunables.	
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. • 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. • If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeNew	
SP- FinalCreateWindowExpiration	

		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 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending'.
20.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

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

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

C. PREREQUISITE

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

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: • subscriptionVersionTN • subscriptionVersionTN • 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.

		subscription- StatusChangeCauseCode subscriptionLNPType		
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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec tCreation. 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. • If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec tCreation. • 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	NPAC	The subscription version exists with a status of 'conflict'.
		for the subscription version created		
		in this test case.		
9.	SP-	Old SP Personnel perform a local	SP	The subscription version exists with a status of 'conflict'.
	Optiona	query for the subscription version		The subscription version exists with a status of commer.
	1	created during this test case.		
10.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'conflict' on the
10.	Conditi	SMS query for the subscription	51	NPAC SMS.
	onal	version created during this test case.		WAC SMS.
11.	NPAC	NPAC SMS waits for concurrence	SP	New SP SOA DOES NOT respond to the create request and the
11.	MAC	from the New SP for the TN the Old	31	Service Provider Concurrence Window tunable expires.
				Service Provider Concurrence window tunable expires.
10	NID 4 C	SP created.	CD	N. GROOM ' A MENERUE REPORT A A MINAGE
12.	NPAC	Once the Service Provider	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC
		Concurrence Window has expired,		SMS according to their Customer TN Range Notification
		NPAC SMS issues an M-EVENT-		setting.
		REPORT to the New SP SOA based		
		on their Customer TN Range		
		Notification Indicator setting.		
		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.		
13.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation to the		from the New SP SOA.
		NPAC SMS indicating it		
		successfully received the M-		
		EVENT-REPORT from the NPAC		
		SMS.		
14.	NPAC	NPAC SMS waits for concurrence	SP	New SP SOA DOES NOT respond to the create request and the
*	111110	from the New SP for the TN the Old	51	Service Provider Concurrence Failure Window tunable expires.
		SP created.		Service Frovider Concurrence Famure window tunable expires.
15.	NPAC	Once the Service Provider	SP	Old SD SOA receives the M. EVENT DEDODT from the NDAC
13.	INFAC) SF	Old SP SOA receives the M-EVENT-REPORT from the NPAC
		Concurrence Window has expired,		SMS according to their Customer TN Range Notification
		NPAC SMS determines that the		setting.
		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.		
		• 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-		
	1	1 11110 51110 100000 011 111	L	<u> </u>

		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. 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	The subscription version exists with a status of 'conflict'.
20.	SP – Optiona	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict'.
21.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'conflict' on the NPAC SMS.
22.	NPAC	The Pending Subscription Retention parameter expires without any action from SP or NPAC Personnel to either concur to the port or otherwise cancel the subscription version.	NPAC	NPAC SMS automatically sets the subscription version status to 'cancelled' for the subscription version that was created during this test case.
23.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator 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.

		If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange indicating the status is 'cancelled'.		
24.	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': If the setting is TRUE, the NPAC SMS issues a subscriptionVersionRangeStatu sAttributeValueChange indicating the status is now 'cancelled'. If the setting is FALSE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionStatusAttrib uteValueChange 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 – Optiona 1	Old SP Personnel perform a local query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled'.
27.	SP – Conditi onal	Old SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription versions exist with a status of 'cancelled' on the NPAC SMS.

Test Case Number:	NANC 240-6	SUT Priority:	SOA LTI	N/A
			SOA	C
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	SOA – Service Provider	licator set to TRUE.		
	Service Provider recovers Final Create Window Expiration notifications during recovery. –			
	Success			

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Set the Pending Subscription Retention parameter to a small value.
Setup:	2. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to TRUE for both the Old and New Service Providers.
	3. Verify that the Customer TN Range Notification Indicator is set to a valid production value for both the Old and New SP.
	4. While the SP SOA under test is off-line (Row 1 below) perform the following activities on behalf of the SP under test:
	a. Where the SP under test is the Old SP, create a single TN Inter-Service Provider subscription version.
	b. Allow the T1 and T2 timers to expire.
	c. Allow the Pending Subscription Retention parameter to expire.
Prerequisite SP	
Setup:	

<u>D.</u>	TEST STETS and EXTECTED 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	 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	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: 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: One M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration for the single TN subscription version create One M-EVENT-REPORT subscriptionVersionNewSP-FinalCreateWindowExpiration 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 1	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 – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is 'cancelled'.

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 Cond	currence Notification Inc	licator set to FALSE.		
	Service Provider does not recover Final Create Window Expiration notifications during					
	recovery. – Success					

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC Setup:	 Set the Pending Subscription Retention parameter to a small value. Verify that the NPAC Customer No New SP Concurrence Notification Indicator is set to
Setup.	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:
	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:	c. Anow the Fending Subscription Retention parameter to expire.

<u> </u>	TEST STETS and EXTECTED 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	 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	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		Network Data updates.
6.	SP	resync request. 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: • One M-EVENT-REPORT subscription VersionRangeObjectCreation 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: • One M-EVENT-REPORT subscription version create If the setting is FALSE, the NPAC SMS issues: • One M-EVENT-REPORT subscriptionVersion-StatusAttributeValueChange setting the status to 'cancelled' for the single TN subscription version create '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 – Optiona 1	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 – Conditi onal	Service Provider Personnel, perform an NPAC SMS query for the data updated in this test case.	SP	The subscription version that was created on behalf of the Old SP during the prerequisites of this test case exists on the NPAC SMS with a of status is 'cancelled'.

3. NAN	3. NANC 294 – Change Due Date Edit Functionality in the NPAC SMS for 7pm on Due							
Date P	Date Problems							
Test	Test Case Description		IIS Flow	Comments/Issues				
Case #								
NANC	SOA –Old Service Provider Personnel submit a	1	B.5.1.4					
294-1	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							
NANC	SOA – Old Service Provider Personnel submit a	1	B.5.1.4					
294-2	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							
NANC	SOA – New Service Provider Personnel submit a	1	B.5.1.3					
294-3	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							
NIANIC	creation by the Old Service Provider – Success	1	D 5 1 2					
NANC	SOA – New Service Provider Personnel submit a	1	B.5.1.3					
294-4	subscription version Concurrence after 23:59PM							
	(GMT and local time) using the same due date (in							
	GMT) as the Old Service Provider specified,							
NANC	which is a date and time for yesterday. – Success	1 D5	B.5.1.3					
294-5	SOA – Service Provider Personnel (Old or New) do the initial create of a subscription version after	1, R5- 18.3	D.3.1.3					
294-3	7:00PM EST where the due date is the current date	18.3						
	in local time but the next day in GMT. – Error							
	in iocai time but the flext day in Givi i. – Elioi							

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	С			
			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	
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the New Service Provider has created the subscription version with a due date
Setup:	equal to today (in the Old Service Provider's local time zone) and it has a status of 'pending'.
	2. Verify that the current time is after 7:00PM EST today (/next day GMT) in the Old Service Provider's time zone.
Prerequisite SP	Verify that the current time is after 7:00PM EST today (/next day GMT) in the local time zone.
Setup:	

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
			- '-	
1.	SP	1. When the current time is after 7:00PM EST (/next day GMT) using the SOA, Old SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionOldSP-DueDate equal to yesterday (in GMT) for a subscription version that was created earlier (by New SP) with a due date of yesterday (in GMT). The due dates should match. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes: • subscriptionVersionTN • subscriptionNewCurrentSP	NPAC	NPAC SMS receives the M-ACTION subscription Version Old SP-Create request from the Old SP SOA and verifies that each attribute specified is valid according to system requirements.

	1		ſ	
		subscriptionOldSPsubscriptionOldSP-DueDate		
		(seconds set to zero)		
		subscriptionOldSP-		
		Authorization		
		subscriptionLNPType		
2.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscriptionModifiedTimeStamp to		
		the current date and time.		
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA receives the M-ACTION Response from the NPAC
		Response to the Old SP SOA.		SMS.
4	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC
		REPORT to the Old SP SOA based		SMS.
		on their Customer TN Range		
		Notification Indicator setting.		
		If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange.		
		If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange.		
5	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation to the		from the Old SP SOA.
		NPAC SMS indicating it		
		successfully received the M-		
		EVENT-RÉPORT.		
6	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC
		REPORT to the New SP SOA based		SMS.
		on their Customer TN Range		
		Notification Indicator setting.		
		If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange.		
		If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange.		
7.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation indicating it		from the New SP SOA.
		successfully received the M-		
		EVENT-REPORT.		
8.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending'.
		for the subscription version created		
		in this test case.		
9.	SP –	Old SP Personnel perform a local	SP	On the SOA, the subscription version exists with a status of
	Optiona	query for the subscription version		'pending'.
	1	created during this test case.		
10.	SP –	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the
	Conditi	SMS query for the subscription		NPAC SMS.
	onal		<u> </u>	

	version created during this test case.	

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 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	1. When the current date and timeis "subscriptionVersionNewSP-DueDate plus 1" (local and GMT time), using the SOA, Old SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionOldSP-DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes:		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.

	1	D. Doto (1+ 1	1	
		DueDate (seconds set to		
		zero)		
		subscriptionOldSP-		
		Authorization		
2.	NPAC	subscriptionLNPType NPAC SMS issues an M-SET	NPAC	NDAC CMC
2.	NPAC		NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscriptionModifiedTimeStamp to		
3.	NDAC	the current date and time.	CD	Ollop GOA : d. M. A CENONI P. C. d. NIPA C.
3.	NPAC	NPAC SMS issues an M-ACTION	SP	Old SP SOA receives the M-ACTION Response from the NPAC
		Response to the Old SP SOA.		SMS.
4	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC
		REPORT to the Old SP SOA based		SMS.
		on their Customer TN Range		
		Notification Indicator setting.		
		• If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange.		
		• If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
	CD	attributeValueChange.	NIDAG	NEW COLOR
5	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation to the		from the Old SP SOA.
		NPAC SMS indicating it		
		successfully received the M-		
6	NPAC	EVENT-REPORT.	SP	N. CD COA
0	INPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC
		REPORT to the New SP SOA based		SMS.
		on their Customer TN Range		
		Notification Indicator setting. • If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange.		
		• If the setting is FALSE the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		attributeValueChange.		
7.	SP	New SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation indicating it		from the New SP SOA.
		successfully received the M-		nom mo nom or born.
		EVENT-REPORT.		
8.	NPAC	NPAC Personnel perform a query	NPAC	The subscription version exists with a status of 'pending'.
		for the subscription version created		2.1.0 Successipation version exists while a status of politing.
		in this test case.		
9.	SP-	Old SP Personnel perform a local	SP	On the SOA, the subscription version exists with a status of
	Optiona	query for the subscription version		'pending'.
	1	created during this test case.		k
10.	SP-	Old SP Personnel perform an NPAC	SP	The subscription version exists with a status of 'pending' on the
	Conditi	SMS query for the subscription	~	NPAC SMS.
	onal	version created during this test case.		THE SHIP.
L		1 version ereated during time test edse.	<u> </u>	

Test Case Number:	NANC 294-3	SUT Priority:	SOA LTI	N/A						
			SOA	С						
			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 Ole	d Service Provider. – Suc	ccess	initial creation by the Old Service Provider. – Success						

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test Cases:	
Prerequisite NPAC Setup:	 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.

	TEST STEPS and EXPECTED RESULTS				
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result	
1.	SP	1. When the current time is after 7:00PM EST (/next day GMT) using the SOA, New SP Personnel submit a subscription version Concurrence request to the NPAC SMS with the subscriptionNewSP-DueDate equal to yesterday (in GMT) for a subscription version that was created earlier (by the Old SP) with a due date of yesterday (in GMT). The due dates should match. 2. The SOA sends an M-ACTION subscriptionVersionOldSP-Create to the NPAC SMS specifying the following valid attributes: • subscriptionVersionTN • subscriptionNewCurrentS • subscriptionNewCurrentS • subscriptionNewSP-DueDate (seconds set to	on O Or S On	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.	

	·		1	
		zero) subscriptionLNPType		
		subscriptionLNPTypesubscriptionLRN		
		subscriptionELKN subscriptionCLASS-DPC		
		subscriptionCLASS-BTC 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		
		The following attributes are		
		optional: • subscriptionEndUserLocationV		
		alue		
		subscriptionEndUserLocationT		
		ype		
		subscriptionBillingId		
2.	NPAC	NPAC SMS issues an M-SET	NPAC	NPAC SMS receives the M-SET Request and issues an M-SET
		Request to itself to set the		Response to itself.
		subscriptionModifiedTimeStamp		
		and the		
		subscriptionCreationTimeStamp to		
3.	NPAC	the current date and time. NPAC SMS issues an M-ACTION	SP	New CD COA receives the M. A.CTION Despense from the
] 3.	NIAC	Response to the New SP SOA.	51	New SP SOA receives the M-ACTION Response from the NPAC SMS.
4	NPAC	NPAC SMS issues an M-EVENT-	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC
'	Turic	REPORT to the Old SP SOA based		SMS.
		on their Customer TN Range		SHID.
		Notification Indicator setting.		
		If the setting is TRUE, the		
		NPAC SMS issues an M-		
		EVENT-REPORT		
		subscriptionVersionRangeAttri		
		buteValueChange.		
		If the setting is FALSE the NPAC SMS issues an M-		
		NPAC SMS issues an M- EVENT-REPORT		
		attributeValueChange.		
5	SP	Old SP SOA issues an M-EVENT-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation
		REPORT Confirmation to the		from the Old SP SOA.
		NPAC SMS indicating it		
		successfully received the M-		
		EVENT-REPORT.		
6	NPAC	NPAC SMS issues an M-EVENT-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC
		REPORT to the New SP SOA based		SMS.
		on their Customer TN Range		
		Notification Indicator setting.		
İ		• If the setting is TRUE, the		

		NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttri buteValueChange. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT		
7.	SP	attributeValueChange. 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 1	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 – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

Test Case Number:	NANC 294-4	SUT Priority:	SOA LTI	N/A				
			SOA	С				
			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		Change Order	NANC 294
Revision Number:		Number(s):	
NANC FRS Version	3.1.0	Relevant	Req 1
Number:		Requirement(s):	
NANC IIS Version	3.1.0	Relevant Flow(s):	B.5.1.3
Number:			

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	Verify that the Old Service Provider has created the subscription version with a due date
Setup:	equal to yesterday (local time) and it has a status of 'pending'.
	2. 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	Verify that the current time is "subscriptionVersionOldSP-DueDate plus 1" (both local and GMT
Setup:	time) in the local time zone.

<u>D.</u>	TEST STEPS and EXPECTED RESULTS					
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result		
1.	SP	1. When the current date and timeis "subscriptionVersionOldSP- DueDate plus 1" (local and GMT time), using the SOA, New SP Personnel submit a subscription version Create request to the NPAC SMS with the subscriptionNewSP- DueDate equal to yesterday (GMT) for a subscription version that was created earlier with a due date of yesterday (GMT). The due dates should match. 2. The SOA sends an M-ACTION subscriptionVersionNewSP-Create to the NPAC SMS specifying the following valid attributes:	NPAC	NPAC SMS receives the M-ACTION subscription Version New SP-Create request from the New SP SOA and verifies that each attribute specified is valid according to system requirements.		

		1		,
	NDAC	subscriptionNewSP- DueDate (seconds set to zero) subscriptionLNPType subscriptionLRN subscriptionCLASS-DPC subscriptionCLASS-SSN subscriptionLIDB-DPC subscriptionLIDB-SSN subscriptionCNAM-DPC subscriptionCNAM-SSN subscriptionISVM-DPC subscriptionISVM-DPC subscriptionISVM-SSN subscriptionWSMSC-DPC - if supported by the Service Provider SOA subscriptionWSMSC-SSN - if supported by the Service Provider SOA The following attributes are optional: subscriptionEndUserLocationV alue subscriptionEndUserLocationT ype subscriptionBillingId NDAC SMS is the second M SET	NBAC	NDAC SMS receives the M SET Powers and issues and M SET
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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Attribute Value Change. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attribute Value Change.	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.

7.	SP	Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeAttri buteValueChange. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT attributeValueChange. New SP SOA issues an M-EVENT-REPORT Confirmation indicating it successfully received the M-	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
8.	NPAC	EVENT-REPORT. NPAC Personnel perform a query for subscription version created in this test case.	NPAC	The subscription version exists with a status of 'pending'.
9.	SP – Optiona	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 – Conditi onal	New SP Personnel perform an NPAC SMS query for the subscription version created during this test case.	SP	The subscription version exists with a status of 'pending' on the NPAC SMS.

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that a 'pending-like' subscription version for the TN to be used in this test case does
Setup:	not exist on the NPAC SMS.
	2. 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	Verify that the current time is after 7:00PM EST today (/next day GMT) in the local time zone.
Setup:	

<u>D.</u>	TEST STEPS and EXPECTED RESULTS				
Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result	
1.	SP	1. When the current date and time is today, local time, 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). 2. The SOA sends an M-ACTION subscriptionVersionNew/OldSP-Create 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. 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-	SP Personnel perform an NPAC	SP	The subscription version does not exist on the NPAC SMS.
	Conditi	SMS query for the subscription		_
	onal	version that they attempted to create		
		during this test case.		

	4. NANC 328 – Tunable for Long and Short Business Days Test						
Test	Test Case Description	Req.	115 Flow	Comments/Issues			
Case #	NIDA C 1 COA NIDA C. D 1 C 41 - 4 - 41	1 2 2	D 5 1 2				
NANC	NPAC and SOA – NPAC Personnel verify that the	1, 2, 3,	B.5.1.2				
328-1	Long Business Days tunable parameter is defaulted	4	B.5.1.6.2				
	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-						
NANC	Concurrence Request notification. – Success	1 2 2	D 5 1 1				
NANC 328-2	NPAC and SOA – NPAC Personnel verify that the	1, 2, 3,	B.5.1.1 B.5.1.6.5				
328-2	Long Business Days tunable parameter is defaulted	4	B.3.1.6.3				
	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						
NANC	NPAC and SOA – NPAC Personnel verify that the	5, 6, 7,	N/A				
328-3	Short Business Days tunable parameter is	8	IN/A				
320 3	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						
NANC	NPAC and SOA – NPAC Personnel verify that the	5, 6, 7,	N/A				
328-4	Short Business Days tunable parameter is	8					
	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						

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	С
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC defaulted to Sunday thro parameter to a value that Timers are set to SHORT After a tunable amount of Old SP has not received	ugh Saturday. NPAC Per does not include today. I. New SP Personnel sub of time the Initial Concur	rsonnel modify the Long Both Old SP Port Out an omit an SV Create. Old Strence Window timer has	Business Days tunable d New SP Port In P does not concur. not expired and the

B. REFERENCES

NANC Change Order Revision Number:		Change Order Number(s):	NANC 328
NANC FRS Version Number:	3.1.0	Relevant Requirement(s):	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	1. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through
Setup:	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 'SHORT' in their Customer Profile.
	5. Verify that for the Old Service Provider in this TC, their 'Port-Out Timer Type' is set to 'SHORT' in their Customer Profile.
	6. Verify that the New and Old Service Provider's 'SP Business Type' is set to 'LONG' in their Customer Profile.
	7. Verify the Initial Concurrence Timer is set to their lowest possible value, in order to expedite test verification
Prerequisite SP	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service
Setup:	Provider Subscription Version.

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	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.

		2. The SOA sends an M-ACTION subscription Version New SP-Create to the NPAC SMS. The New SP includes the following valid attributes: • subscription Version TN • subscription New Current SP • subscription New SP-DueDate (seconds set to zero) • subscription Porting To Original-SP Switch • subscription LNP Type • subscription CLASS-DPC • subscription CLASS-SSN • subscription LIDB-DPC • subscription LIDB-SSN • subscription CNAM-DPC • subscription CNAM-SSN • subscription ISVM-DPC • subscription ISVM-DPC • subscription WSMSC-DPC - if supported by the Service Provider SOA • subscription WSMSC-SSN - if supported by the Service Provider SOA The following attributes are optional: • subscription End User Location Value • subscription End User Location Type		
3.	NPAC	subscriptionBillingId NPAC SMS issues an M-CREATE Request subscriptionVersionNPAC	NPAC	NPAC SMS receives the M-CREATE Request subscription Version NPAC and issues an M-CREATE Response subscription Version NPAC to itself to set the subscription
		to itself to create the subscription version on the NPAC SMS.		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. 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.

6.	SP	subscriptionVersionRangeObjec tCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation New SP SOA issues an M-EVENT-REPORT Confirmation to the NPAC SMS indicating it	NPAC	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA.
		successfully received the M- EVENT-REPORT from the NPAC SMS.		
7.	NPAC	 NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object Creation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation NPAC SMS issues an M-EVENT-REPORT object Creation 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 1	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 – Conditi onal	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 1	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 – Conditi onal	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.

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 defaulted to Sunday thro parameter to a value that Timers are set to LONG. create. After a tunable an the New SP has not recei	ugh Saturday NPAC Per does not include today. Old SP Personnel subm nount of time the Initial	sonnel modify the Long Both Old SP Port Out an it an SV Create. New SP Concurrence Window tin	Business Days tunable d New SP Port In does not submit his ner has not expired and

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Sunday through
Setup:	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	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service
Setup:	Provider Subscription Version.

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

		subscription Version Old SP- Create to the NPAC SMS. The Old SP includes the following valid attributes: subscription Version TN subscription Old SP subscription Old SP-Due Date (seconds set to zero) subscription Old SP- Authorization subscription Old SP- Authorization TimeStamp subscription Status Change Cause Code (if the subscription Old SP- Authorization set to false) subscription Version Status		
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. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object Creation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation	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	NPAC SMS issues an M-EVENT-REPORT to the New SP SOA based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-	SP	New SP SOA receives the M-EVENT-REPORT from the NPAC SMS.

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		EVENT-REPORT subscriptionVersionRangeObjec tCreation. 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.		
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 – Optiona 1	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 – Conditi onal	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 – Optiona 1	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 – Conditi onal	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.

Test Case Number:	NANC 328-3	SUT Priority:	SOA LTI	N/A			
			SOA	С			
			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		Change Order	NANC 328
Revision Number:		Number(s):	
NANC FRS Version	3.1.0	Relevant	Req 5, Req 6, Req 7, Req 8
Number:		Requirement(s):	
NANC IIS Version	3.1.0	Relevant Flow(s):	B.5.1.1, B.5.1.6.5
Number:			

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the 'Short Business Days' tunable parameter is defaulted to 'Monday through
Setup:	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	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service
Setup:	Provider Subscription Version.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it does not include today.		The 'Short Business Days' tunable parameter is modified such that it does not include today.
2.	SP	Using the SOA, Old SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC. The SOA sends an M-ACTION	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.

7.	NPAC	 NPAC SMS issues an M- 		
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 SP	NPAC SMS receives the M-EVENT-REPORT Confirmation from the New SP SOA. New SP SOA receives the M-EVENT-REPORT from the NPAC
5.	NPAC	NPAC SMS issues an M-EVENT-REPORT to the Old SP based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscription Version Range Object t Creation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT object Creation.	SP	Old SP SOA receives the M-EVENT-REPORT from the NPAC SMS.
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.
3.	NPAC	subscription Version Old SP- Create to the NPAC SMS. The Old SP includes the following valid attributes: • subscription Version TN • subscription Old SP • subscription Old SP- Due Date (seconds set to zero) • subscription Old SP- Authorization • subscription Old SP- Authorization • subscription Old SP- Authorization Time Stamp • subscription Status Change C ause Code (if the subscription Old SP- Authorization set to false) • subscription Version Status NPAC SMS issues an M-CREATE Request subscription Version NPAC 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.

		 If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec tCreation. 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. 		
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 – Optiona 1	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 – Conditi onal	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 – Optiona 1	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 – Conditi onal	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.

Test Case Number:	NANC 328-4	SUT Priority:	SOA LTI	N/A
			SOA	С
			non-EDR LSMS	N/A
			EDR LSMS	N/A
Objective:	NPAC and SOA – NPAC defaulted to Monday thre parameter to a value that Timers are set to LONG a tunable amount of time has not received a OldSF	ough Friday. NPAC Pers does not include today. New SP Personnel subrethe the Initial Concurrence	onnel set the Short Busir Both Old SP Port Out an nit an SV Create. Old SP Window timer has not ex	ness Days tunable ad New SP Port In does not concur. After

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that the 'Long Business Days' tunable parameter is defaulted to 'Monday through
Setup:	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	Verify that the respective NPA-NXX exists for which you are going to create an Inter-Service
Setup:	Provider Subscription Version.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC	Using the NPAC OpGui, NPAC Personnel modify the 'Short Business Days' tunable parameter such that it does not include today.		The 'Short Business Days' tunable parameter is modified such that it does not include today.
2.	SP	Using the SOA, New SP Personnel submit an Inter- Service Provider subscription version Create request to the NPAC. The SOA sends an M-ACTION	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.

		subscriptionVersionNewSP- Create to the NPAC SMS. The New SP includes the following valid attributes:		
3.	NPAC	subscriptionBillingId 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. 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.

	1	·	1	
		tCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation		
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	 NPAC SMS issues an M-EVENT-REPORT to the Old SP SOA based on their Customer TN Range Notification Indicator setting. If the setting is TRUE, the NPAC SMS issues an M-EVENT-REPORT subscriptionVersionRangeObjec tCreation. If the setting is FALSE the NPAC SMS issues an M-EVENT-REPORT objectCreation 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 1	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 – Conditi	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	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 – Conditi onal	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.

Test	Test Case Description	Req.	IIS Flow	Comments/Issues
Case # NANC	NPAC and SOA – NPAC Personnel verify the	1, 2, 3,		
329-1				
329-1	'SOA Notification Priority' tunable parameter	4, 5, 6,		
	default values for the Service Provider are set to	7, R4-8		
	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			
NANC	NPAC and SOA – Service Provider Personnel send	3.5, 8		
329-2	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			
NANC	NPAC and SOA – Service Provider Personnel send	5.5,		
329-3	a large number of requests to the NPAC that would	RR6-30		
	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			
NANC	Group Test Case			
329-4	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	1	1	1

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 default values for the Ser NPAC Personnel to mode to NONE then perform a notifications that have be receive notifications. – S	rvice Provider are set to lify several of his 'SOA' ctivities that would normen given priorities of NO	MEDIUM. Service Provi Notification Priority' tuna nally result in the NPAC	der Personnel requests able parameter values SMS generating the

B. REFERENCES

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

C. PREREQUISITE

Prerequisite Test			
Cases:			
Prerequisite NPAC	1.	Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under	
Setup:		test are defaulted to MEDIUM.	
	2.	Set the following 'SOA Notification Priority' tunable parameters to NONE for the Service	
		Provider under test:	
		 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	1.	Verify that there exists a 'pending' subscription version that can be activated.	
Setup:	2.	Verify that there exists a 'pending' subscription version to which the Old SP has concurred.	
	3.	Verify that there exists an 'active' subscription version that can be disconnected.	

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	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	Using the SOA, New SP Personnel submit an activate request for the subscription version referenced in step 1 of the Prerequisite SP Setup above. 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'.

	1	1 ' 1' 17 ' C(/ A // '1 / 17	1	
		subscriptionVersionStatusAttributeV		
		alueChange to the New SP SOA		
13.	SP	Using the SOA, New SP Personnel submit a disconnect request for the subscription version referenced in step 3 of the Prerequisite SP Setup above. 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'.

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 would result in the NPAC Provider. Service Provider priority. This should cover and all three priority class	C SMS generating notification of the Personnel verify that er notifications that have	cations with multiple price they received the notifications.	orities for the Service ations in order of

B. REFERENCES

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

C. PREREQUISITE

TREREQUISITE	_
Prerequisite Test	
Cases:	
Prerequisite NPAC	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under
Setup:	test are defaulted to MEDIUM.
•	2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to
	FALSE so that their SOA will receive SOA Notifications on a TN basis.
	3. Create and Activate 500 subscriptions for which the Service Provider under test is the
	Donor SP.
	4. Create two NPA-NXX-Xs for the Service Provider under test and have the associated
	Number Pool Blocks ready to be activated.
	5. After the Service Provider under test has performed the activities listed in the Prerequisite
	SP Setup and NPAC SMS has processed all the requests, set the following 'SOA
	Notification Priority' tunable parameters to the values indicated for the Service Provider
	under test:
	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	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as
Setup:	listed above perform the following activities:
	1. Create 500 subscription versions and have them ready to be activated.
	2. Create 500 subscription versions to which the Old SP has concurred and have them ready to
	be cancelled by the Old Service Provider.
	3. Create and Activate 500 subscription versions and have them ready to be disconnected.

	ъ.	. TEST STETS and EXTECTED RESCEIN				
ſ	Row #	NPAC	Test Step	NPAC	Expected Result	
		or SP	•	or SP	•	

1	NPAC	NDAC and CD Days and all manfagers	NIDAC	NDAC received validates and reconser all reconstr
1.	& SP	NPAC and SP Personnel perform the following activities	NPAC	NPAC receives, validates, and processes all requests.
	a sr	simultaneously and in the order		
		listed		
		Using the SOA, Service Provider		
		Personnel:		
		• Create 1000 subscription		
		versions for which you are the		
		New SP (will generate		
		Subscription Version Object		
		Create Notifications)		
		• 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)		
		Using the NPAC OpGui, NPAC		
		Personnel:		
		• On behalf of the New SP,		
		disconnect the 500 subscription		
		versions listed in Item 3 of the		
		Prerequisite NPAC Setup (will		
		generate Subscription Version –		
		Donor SP – Customer		
		Disconnect Date Notifications)		
		• Activate the 2 Number Pool		
		Blocks listed in Item 4 of the		
		Prerequisite NPAC Setup (will		
		generate Number Pool Block Status Attribute Value Change		
		Notifications)		
		• On behalf of the Old SP, cancel		
		the 500 subscription versions		
		listed in Item 3 of the		
		Prerequisite SP Setup (will		
		generate Subscription Version		
		Cancellation Acknowledge		
		Notifications).		
2.	NPAC	NPAC SMS generates the	SP	New SP SOA receives all notifications from the NPAC SMS.
		appropriate notifications and sends		
		them to the New SP SOA		
3.	NPAC	NPAC Personnel verify that all	NPAC	All notifications were sent according to the priorities that were
		notifications were sent to the		set for the respective notifications.
		Service Provider under test		·
		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
		ļ.		!

notifications were received	were set for the respective notifications.
according to the priorities that were	
set for the respective notifications.	

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 would result in the NPAC Provider. The Service Provider and the requests the Service Provider time has from the requests the Service Propriority and in the correct	C SMS generating notific ovider then aborts their a passed for the NPAC SN vice Provider re-associa ovider Personnel verify t	cations with multiple price association before received MS to generate all the not tes to the NPAC and received.	orities for the Service ing the notifications. ifications resulting overs the missed

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:	 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: 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	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as
Setup:	 listed above perform the following activities: 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.

Row #	NPAC or SP	Test Step	NPAC or SP	Expected Result
1.	NPAC & SP	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) 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 Using the NPAC OpGui, NPAC Personnel: On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version — Donor SP — Customer Disconnect Date Notifications) Activate the 2 Number Pool 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 versions listed in Item 3 of the Prerequisite SP Setup (will generate 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

1 10	TEST IDENTITY				
	Test Case Number:	NANC 329-4	SUT Priority:	SOA LTI	N/A
				SOA	С
				non-EDR LSMS	N/A
				EDR LSMS	N/A
	Objective:	NPAC and SOA – Service ensure that they all have a particular notification in Each SP performs a series	Group Test Case NPAC and SOA – Service Providers have NPAC Personnel modify their notification prior ensure that they all have notifications with the three priorities and that the priority one SP a particular notification is different that the priority given the same notification by another Each SP performs a series of activities that will generate a good mixture of notifications. SPs verify that they receive the notifications according to the priorities listed in their SP P – 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	1. Verify that all 'SOA Notification Priority' tunable parameters for the Service Provider under	
Setup:	test are defaulted to MEDIUM.	
	2. Verify that the Service Provider's 'Customer TN Range Notification Indicator' is set to	
	FALSE so that their SOA will receive SOA Notifications on a TN basis.	
	3. Create and Activate 500 subscriptions for which the Service Provider under test is the Donor SP.	
	4. Create two NPA-NXX-Xs for the Service Provider under test and have the associated Number Pool Blocks ready to be activated.	
	5. After the Service Provider under test has performed the activities listed in the Prerequisite	
	SP Setup and NPAC SMS has processed all the requests, set the following 'SOA	
	Notification Priority' tunable parameters to the values indicated for the Service Provider under test:	
	 Subscription Version Object Creation = HIGH 	
	Subscription Version Concellation Acknowledge Request = MEDIUM	
	Subscription Version Cancernation Acknowledge Request - MEDION 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 – Set to OLD – FIIGH 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	Before the NPAC Test Engineer modifies your 'SOA Notification Priority' tunable parameters as	
Setup:	listed above perform the following activities:	
	1. Create 500 subscription versions and have them ready to be activated.	

- 2. Create 500 subscription versions to which the Old SP has concurred and have them ready to be cancelled by the Old Service Provider.
 - 3. Create and Activate 500 subscription versions and have them ready to be disconnected.

Row #	NPAC	Test Step	NPAC	Expected Result
	or SP		or SP	1
1.	1	NPAC and SP Personnel perform the following activities simultaneously and in the order listed Using the SOA, Service Provider Personnel: Create 1000 subscription versions for which you are the New SP (will generate Subscription Version Object Create Notifications) 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) Using the NPAC OpGui, NPAC Personnel: On behalf of the New SP, disconnect the 500 subscription versions listed in Item 3 of the Prerequisite NPAC Setup (will generate Subscription Version—Donor SP—Customer Disconnect Date Notifications) Activate the 2 Number Pool 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 versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription versions listed in Item 3 of the Prerequisite SP Setup (will generate Subscription Version Cancellation Acknowledge		NPAC receives, validates, and starts processing all requests.
		Notifications).		
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.